

Incident ID	nAPP2221684787
District RP	
Facility ID	30-015-49109
Application ID	

## Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Arsenio T. Jones Title: Regulatory, Environmental and Safety Specialist

Signature: \_\_\_\_\_ Date: 10/05/2022

email: arsenio.jones@matadorresources.com Telephone: 575-361-4333

**OCD Only**

Received by: Jocelyn Harimon Date: 05/09/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Robert Hamlet Date: 9/27/2023

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

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## Closure Report

Ace Stern Vegas Fee 22 21 #127H  
Eddy County, New Mexico  
Incident # nAPP2221684787  
M-21-22S-28E

## Prepared For:

Matador Production Company  
One Lincoln Center  
Dallas, TX 75240

## Prepared By:

Talon/LPE  
408 W. Texas Avenue  
Artesia, New Mexico 88210

**August 24, 2022**



Mike Bratcher  
**NMOCD**  
506 W. Texas  
Artesia, NM 88210

Subject: **Closure Report**  
Ace Stern Vegas Fee 22 21 #124H  
Eddy County, New Mexico  
M-21-22S-28E

Dear Mr. Bratcher,

Matador Production Company contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The incident description, soil sampling results, remedial actions and closure request is presented herein.

### **Site Information**

The Ace Stern Vegas #124H is located approximately eight (8) miles southeast of Carlsbad, New Mexico. The legal description for the site of the release is Unit Letter M, Section 21, Township 22 South and Range 28 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.3741936 and -104.1000572. A Site Location Map is presented in [Appendix I](#).

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is made up of Simona-Bippus complex, with 0 to 5 percent slopes. The referenced soil data is presented in [Appendix II](#). Per the New Mexico Bureau of Geology and Mineral Resources, the local geology consists of the Ogallala Formation, lower Pliocene to Middle Miocene in age, and comprised of alluvium and/or eolian sands, restrictive features are encountered at 7 to 20 inches petrocalcic. Drainage courses in this area are typically well drained.

### **Ground Water and Site Characterization**

The New Mexico Office of the State Engineer Database indicates the nearest reported depth to groundwater is 12 feet below ground surface (bgs). See [Appendix II](#) for the referenced groundwater depth. Further research of the Bureau of Land Management Karst data indicates that this site is located within a medium range potential Karst area.

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If a release occurs within the following areas, the responsible party must treat the release as if it occurred in an area where the groundwater is less than 50 feet bgs, Table I, New Mexico Oil Conservation Division (NMOCD) Rule 19.15.29 NMAC.

**Approximate Depth to Groundwater 12 Feet/bgs**

- Yes  No Within 300 feet of any continuously flowing watercourse or any other significant watercourse
- Yes  No Within 200 feet of any lakebed, sinkhole or a playa lake
- Yes  No Within 300 feet from an occupied permanent residence, school, hospital, institution or church
- Yes  No Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes
- Yes  No Within 1000 feet of any freshwater well or spring
- Yes  No Within incorporated municipal boundaries or within a defined municipal freshwater well field covered under a municipal ordinance adopted pursuant to Section 3-2703 NMSA 1978
- Yes  No Within 300 feet of a wetland
- Yes  No Within the area overlying a subsurface mine
- Yes  No Within an unstable area
- Yes  No Within a 100-year floodplain

Because the release occurred on a location where ground level is shallow to water, the clean-up criteria for the upper 4 feet of this site per NMAC 19.15.29.13.D is as follows:

Depth below horizontal extents of release to ground water less than 10,000 mg/l TDS	Constituent	Method	Limit
≤ 50 feet	Total Chlorides	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

## Incident Description

On August 04, 2022, a blow-out occurred from the valve on the wellhead. This caused a release of approximately 175 bbls. of crude. Matador immediately dispatched a hydro-vac recovering approximately 165 bbls. of fluid. The site map is presented in [Appendix I](#).

## Site Assessment

On August 04, 2022, Talon mobilized personnel to the site to conduct an initial site assessment. The impacted area was mapped utilizing a Trimble Geo XH 6000, photographed and sampled utilizing a hand auger. All soil samples were properly packaged, preserved, and transported to Cardinal Laboratories via chain of custody for analysis of Total Chlorides (Method SM4500Cl-B), TPH (EPA Method 8015M), and BTEX (EPA Method 8021B). Sample locations are shown on the attached Figure 1 ([Appendix I](#)) and the results of our sampling event are presented on the following data table.

**Table I**  
*08/08/2021 Soil Sample Laboratory Results*

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
S-1	8/4/2022	0.5'R	14.9	0.38	47.7	1310	193	1550.7	20800
S-2	8/4/2022	0.5'R	8.33	0.084	70.1	1470	338	1878.1	26400
S-3	8/4/2022	0.5'R	254	4.07	2550	23700	4200	30450	13600
R = Refusal with hand auger									

See [Appendix IV](#) for the complete report of laboratory results.

On September 12, 2022 based on the laboratory results from the initial assessment data and upon client authorization, Talon personnel and equipment from others were mobilized to the site in order to commence remediation of the spill footprint area. Field titration data was used to guide the clean-up efforts. Vertical advancement continued to the extent that solid rock refusal was encountered. A Hydro vac was dispatched to clean the rock shelf for accurate sampling to ensue, and expose the poly lines in the area requiring excavation. All samples were properly collected and preserved for transport to Cardinal Laboratories in order to confirm that NMOCD clean-up criteria had been achieved in accordance with Table 1 standards. The confirmation results from the laboratory are tabulated below. Confirmation sample locations are illustrated on Figure 2 ([Appendix I](#)).

**Table II**  
09/12/2022 Soil Sample Laboratory Results

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
S-1A	9/13/2022	2'	ND	ND	ND	94.4	17.5	111.9	272
	9/16/2022	2.5'	ND	ND	ND	ND	ND	-	320
S-2A	9/13/2022	2'	ND	ND	ND	ND	ND	-	304
S-3A	9/13/2022	2'	ND	ND	ND	ND	ND	-	416
S-4A	9/12/2022	1'	ND	ND	ND	17.8	ND	17.8	384
S-5A	9/12/2022	1'	ND	ND	ND	ND	ND	-	96
S-6A	9/12/2022	1'	ND	ND	ND	31.3	ND	31.3	208
S-7A	9/12/2022	1'	ND	ND	ND	ND	ND	-	96
S-8A	9/12/2022	1'	ND	ND	ND	ND	ND	-	272
S-9A	9/12/2022	1'	ND	ND	ND	19.1	ND	19.1	240
S-10A	9/12/2022	1'	ND	ND	ND	ND	ND	-	144
S-11A	9/12/2022	2'	ND	ND	ND	ND	ND	-	336
S-12A	9/12/2022	2'	ND	ND	ND	ND	ND	-	384
S-13A	9/12/2022	2'	ND	ND	ND	ND	ND	-	384
S-14A	9/12/2022	2'	ND	ND	ND	ND	ND	-	272
S-15A	9/12/2022	2'	ND	ND	ND	ND	ND	-	352
S-16A	9/12/2022	2'	ND	ND	ND	11.4	ND	11.4	256
S-17A	9/12/2022	1'	ND	ND	ND	ND	ND	-	304
S-18A	9/12/2022	1'	ND	ND	ND	13.7	ND	13.7	288
S-19A	9/12/2022	1'	ND	ND	ND	ND	ND	-	272
S-20A	9/12/2022	2'	ND	ND	ND	ND	ND	-	176
S-21A	9/12/2022	2'	ND	ND	ND	24.5	ND	24.5	320
S-22A	9/12/2022	2'	ND	ND	ND	ND	ND	-	288
S-23A	9/12/2022	2'	ND	ND	ND	ND	ND	-	192
S-24A	9/13/2022	2'	ND	ND	ND	ND	ND	-	160
S-25A	9/13/2022	2'	ND	ND	ND	17.9	ND	17.9	320
S-26A	9/13/2022	2'	ND	ND	ND	16.4	ND	16.4	304
S-27A	9/13/2022	2'	ND	ND	ND	ND	ND	-	112
S-28A	9/13/2022	2'	ND	ND	ND	ND	ND	-	80
S-29A	9/13/2022	2'	ND	ND	ND	ND	ND	-	80
S-30A	9/13/2022	2'	ND	ND	ND	ND	ND	-	176
S-31A	9/13/2022	2'	ND	ND	ND	64.8	23.5	88.3	288
S-32A	9/13/2022	2'	ND	ND	ND	ND	ND	-	384

S-33A	9/13/2022	2'	ND	ND	ND	ND	ND	-	288
S-34A	9/12/2022	2'	ND	ND	ND	ND	ND	-	192
S-35A	9/12/2022	2'	ND	ND	ND	65.7	18.3	84	576
S-36A	9/12/2022	2'	ND	ND	ND	71.7	23.6	95.3	528
S-37A	9/12/2022	2'	ND	ND	ND	ND	ND	-	128
S-38A	9/12/2022	2'	ND	ND	ND	17	17.5	34.5	400
S-39A	9/12/2022	2'	ND	ND	ND	38.6	16.6	55.2	432
S-40A	9/13/2022	2'	ND	ND	ND	74.8	29.5	104.3	320
	9/16/2022	2.5'	ND	ND	ND	ND	ND	-	400
S-41A	9/13/2022	2'	ND	ND	ND	120	44.9	164.9	608
	9/16/2022	2.5'	ND	ND	ND	12.1	ND	12.1	288
S-42A	9/13/2022	2'	ND	ND	ND	16.8	18.4	35.2	368
S-43A	9/13/2022	2'	ND	ND	ND	10.1	ND	10.1	256
S-44A	9/13/2022	2'	ND	ND	ND	36	14.8	50.8	368
S-45A	9/13/2022	2'	ND	ND	ND	15.3	ND	15.3	352
S-46A	9/13/2022	2'	ND	ND	ND	69	25.2	94.2	400
S-47A	9/13/2022	2'	ND	ND	ND	35.2	15	50.2	224
S-48A	9/13/2022	2'	ND	ND	ND	29.9	10.6	40.5	400
S-49A	9/13/2022	2'	ND	ND	ND	76.8	24.7	101.5	560
	9/16/2022	2.5'	ND	ND	ND	ND	ND	-	320
S-50A	9/13/2022	2'	ND	ND	ND	ND	ND	-	320
S-51A	9/13/2022	2'	ND	ND	ND	120	32.3	152.3	368
	9/16/2022	2.5'	ND	ND	ND	ND	ND	-	352
S-52A	9/13/2022	2'	ND	ND	ND	35.2	13.9	49.1	352
S-53A	9/13/2022	2'	ND	ND	ND	25.2	10.8	36	336
S-54A	9/13/2022	2'	ND	ND	ND	41.8	10.5	52.3	464
S-55A	9/13/2022	2'	ND	ND	ND	33.2	12.2	45.4	352
S-56A	9/13/2022	2'	ND	ND	ND	23.9	ND	23.9	448
S-57A	9/13/2022	2'	ND	ND	ND	60.8	15.5	76.3	560
S-58A	9/13/2022	2'	ND	ND	ND	ND	ND	-	320
S-59A	9/13/2022	2'	ND	ND	ND	12.8	10.7	23.5	288
S-60A	9/13/2022	2'	ND	ND	ND	20	ND	20	320
S-61A	9/13/2022	2'	ND	ND	ND	30.1	ND	30.1	352
S-62A	9/13/2022	2'	ND	ND	ND	12.6	ND	12.6	320
S-63A	9/13/2022	2'	ND	ND	ND	18.1	ND	18.1	368
S-64A	9/13/2022	2'	ND	ND	ND	22.2	ND	22.2	304
S-65A	9/13/2022	2'	ND	ND	ND	13.8	ND	13.8	352
S-66A	9/13/2022	2'	ND	ND	ND	ND	ND	-	80
S-67A	9/13/2022	2'	ND	ND	ND	17.3	ND	17.3	352
S-68A	9/13/2022	2'	ND	ND	ND	23.1	ND	23.1	336

S-69A	9/13/2022	2'	ND	ND	ND	16.6	ND	16.6	288
S-70A	9/13/2022	2'	ND	ND	ND	13.1	ND	13.1	320
S-71A	9/13/2022	2'	ND	ND	ND	17	ND	17	320
S-72A	9/13/2022	2'	ND	ND	ND	19.3	ND	19.3	368
S-73A	9/13/2022	2'	ND	ND	ND	25.6	ND	25.6	304
S-74A	9/13/2022	2'	ND	ND	ND	14.9	ND	14.9	336
S-75A	9/13/2022	2'	ND	ND	ND	12.1	ND	12.1	336
S-76A	9/13/2022	2'	ND	ND	ND	16	ND	16	288
S-77A	9/13/2022	2'	ND	ND	ND	21.4	ND	21.4	336
S-78A	9/13/2022	2'	ND	ND	ND	ND	ND	-	288
S-79A	9/13/2022	2'	ND	ND	ND	10.7	ND	10.7	336
S-80A	9/13/2022	2'	ND	ND	ND	ND	ND	-	304
S-81A	9/13/2022	2'	ND	ND	ND	ND	ND	-	288
S-82A	9/13/2022	2'	ND	ND	ND	ND	ND	-	336
S-83A	9/13/2022	3'	ND	ND	ND	ND	ND	-	80
S-84A	9/13/2022	3'	ND	ND	ND	ND	ND	-	16
S-85A	9/13/2022	3'	ND	ND	ND	ND	ND	-	80
S-86A	9/13/2022	3'	ND	ND	ND	18.3	ND	18.3	400
S-87A	9/13/2022	3'	ND	ND	ND	16.4	ND	16.4	256
S-88A	9/13/2022	3'	ND	ND	ND	ND	ND	-	112
S-89A	9/13/2022	4'	ND	ND	ND	ND	ND	-	336
S-90A	9/13/2022	4'	ND	ND	ND	ND	ND	-	80
S-91A	9/13/2022	4'	ND	ND	ND	ND	ND	-	224
S-92A	9/13/2022	4'	ND	ND	ND	ND	ND	-	416
S-93A	9/13/2022	4'	ND	ND	ND	73.1	ND	73.1	416
S-94A	9/13/2022	4'	ND	ND	ND	15.2	ND	15.2	416
S-95A	9/13/2022	4'	ND	ND	ND	ND	ND	-	240
S-96A	9/13/2022	4'	ND	ND	ND	ND	ND	-	16
S-97A	9/13/2022	4'	ND	ND	ND	ND	ND	-	80
S-98A	9/13/2022	4'	ND	ND	ND	56.7	ND	56.7	80
S-99A	9/13/2022	3'	ND	ND	ND	63.7	ND	63.7	16
S-100A	9/13/2022	3'	ND	ND	ND	30.6	ND	30.6	128
N.SW-1	9/13/2022	3'	ND	ND	ND	34.8	ND	34.8	384
N.SW-2	9/13/2022	2'	ND	ND	ND	ND	ND	-	112
N.SW-3	9/13/2022	2'	ND	ND	ND	37.1	ND	37.1	112
N.SW-4	9/13/2022	2'	ND	ND	ND	21.7	ND	21.7	400
E.SW-1	9/13/2022	3'	ND	ND	ND	21.8	ND	21.8	400
E.SW-2	9/13/2022	4'	ND	ND	ND	123	23.9	146.9	176
E.SW-2A *	9/16/2022	4'	ND	ND	ND	ND	ND	-	128
E.SW-3	9/13/2022	1'	ND	ND	ND	28.5	ND	28.5	432

<b>E.SW-4</b>	9/13/2022	1'	ND	ND	ND	21	11.9	32.9	320
<b>W.SW-1</b>	9/13/2022	2'	ND	ND	ND	ND	ND	-	320
<b>W.SW-2</b>	9/13/2022	2'	ND	ND	ND	39.9	ND	39.9	192
<b>W.SW-3</b>	9/13/2022	4'	ND	ND	ND	20.9	ND	20.9	464
<b>W.SW-4</b>	9/13/2022	3'	ND	ND	ND	ND	ND	-	16
<b>S.SW-1</b>	9/13/2022	1'	ND	ND	ND	ND	ND	-	304
<b>S.SW-2</b>	9/13/2022	2'	ND	ND	ND	47.7	18.7	66.4	368
<b>S.SW-3</b>	9/13/2022	2'	ND	ND	ND	ND	ND	-	368
<b>S.SW-4</b>	9/13/2022	2'	ND	ND	ND	ND	ND	-	144
<b>BG-1</b>	9/13/2022	0'	ND	ND	ND	ND	ND	-	304
<b>BG-2</b>	9/13/2022	0'	ND	ND	ND	ND	ND	-	160
<b>BG-3</b>	9/13/2022	0'	ND	ND	ND	ND	ND	-	256
<b>BG-4</b>	9/13/2022	0'	ND	ND	ND	ND	ND	-	16
<b>BG-5</b>	9/13/2022	0'	ND	ND	ND	ND	ND	-	272
ND = Analyte Not Detected * = Horizontal extension of 1' BG = Background Sample									

See [Appendix IV](#) for the complete report of laboratory results.

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### Remedial Actions

- The spill footprint was excavated to depths of 1-foot to 4-foot bgs and to the horizontal extent that all surface staining and hydrocarbon odors were removed. All samples were collected on a 5-point composite basis. Laboratory analysis confirms that NMOCD closure criteria for soil remediation has been achieved.
- Background and sidewall samples were obtained in order to confirm horizontal delineation and remediation.
- All contaminated soil was transported to R360 Environmental Solutions, a NMOCD approved solid waste disposal facility.
- The excavated area was backfilled with clean caliche as this is a high-volume traffic area, packed, and restored to grade.

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**Closure**

Based on this site characterization, remedial action completed, and analytical results, we request that no further actions be required and that closure with regard to this incident be granted.

Should you have any questions or if further information is required, please do not hesitate to contact our office at 575-746-8768.

Respectfully submitted,

Talon/LPE

James W. Carnes  
Environmental Scientist

Rebecca S. Pons  
Senior Environmental Project Manager

Attachments:

- Appendix I Site Maps
- Appendix II Groundwater Data, Soil Survey
- Appendix III Photographic Documentation
- Appendix IV Laboratory Data
- Appendix V C-141 Forms



## Appendix I

### Site Maps



Drafted: 9/16/2022  
1 in = 50 ft  
Drafted By: IJR

ACE Stern Vegas Fee 22  
Matador Production Company  
nAPP2221684787  
Eddy County, NM  
Site Assessment Map



Maxar, Microsoft



Drafted: 9/22/2022

1 in = 60 ft

Drafted By: IJR

ACE Stern Vegas Fee 22  
 Matador Production Company  
 nAPP2221684787  
 Eddy County, NM  
 Confirmation Map

**Legend**

-  Ace Stern Vegas Fee 22 21 #127H



 Ace Stern Vegas Fee 22 21 #127H

U.S. Refinery Rd

605

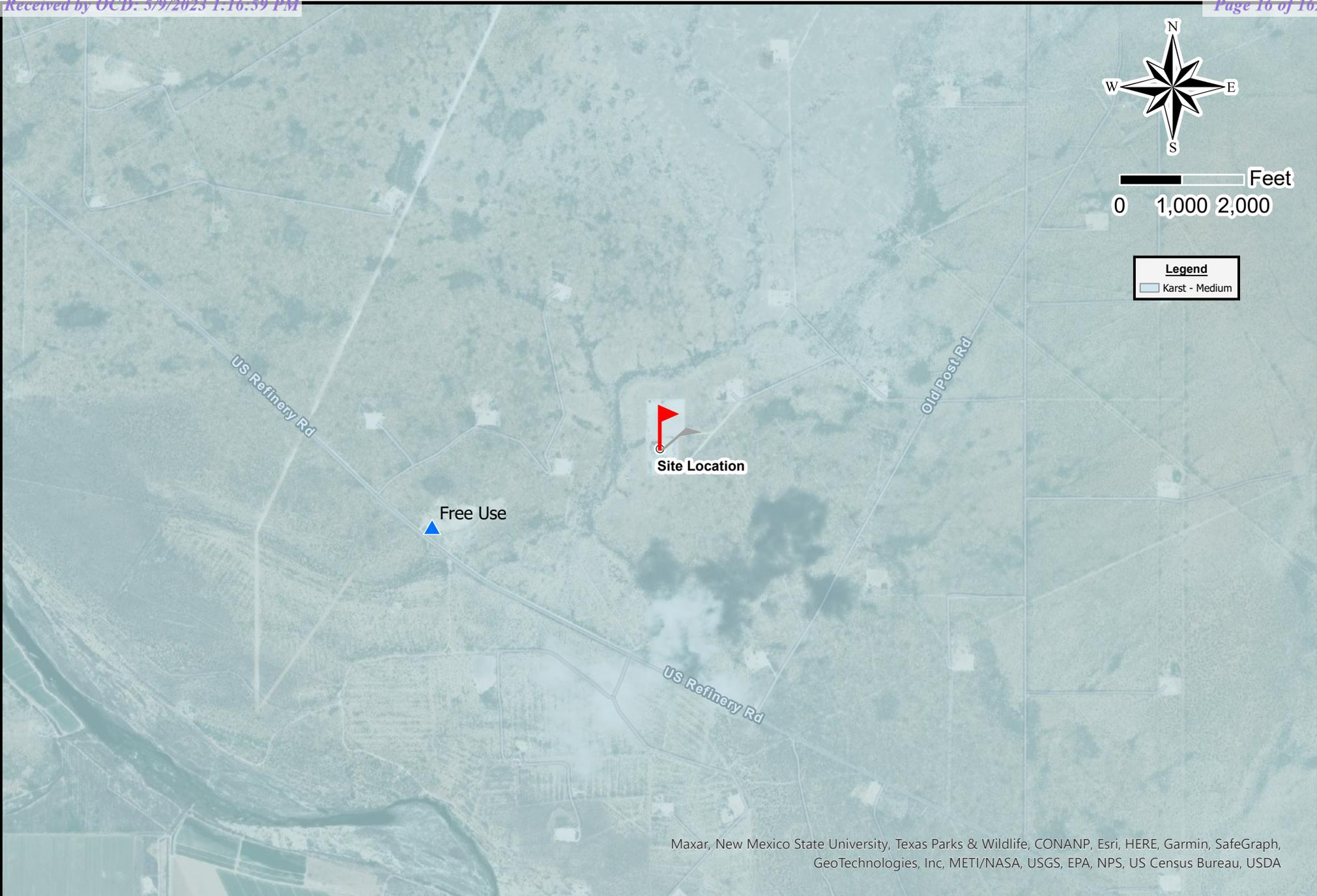
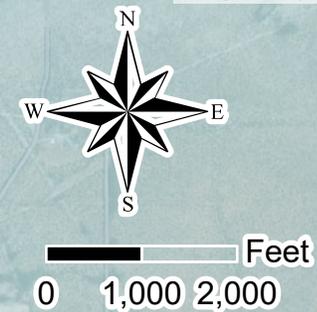
607

607

605

2000 ft



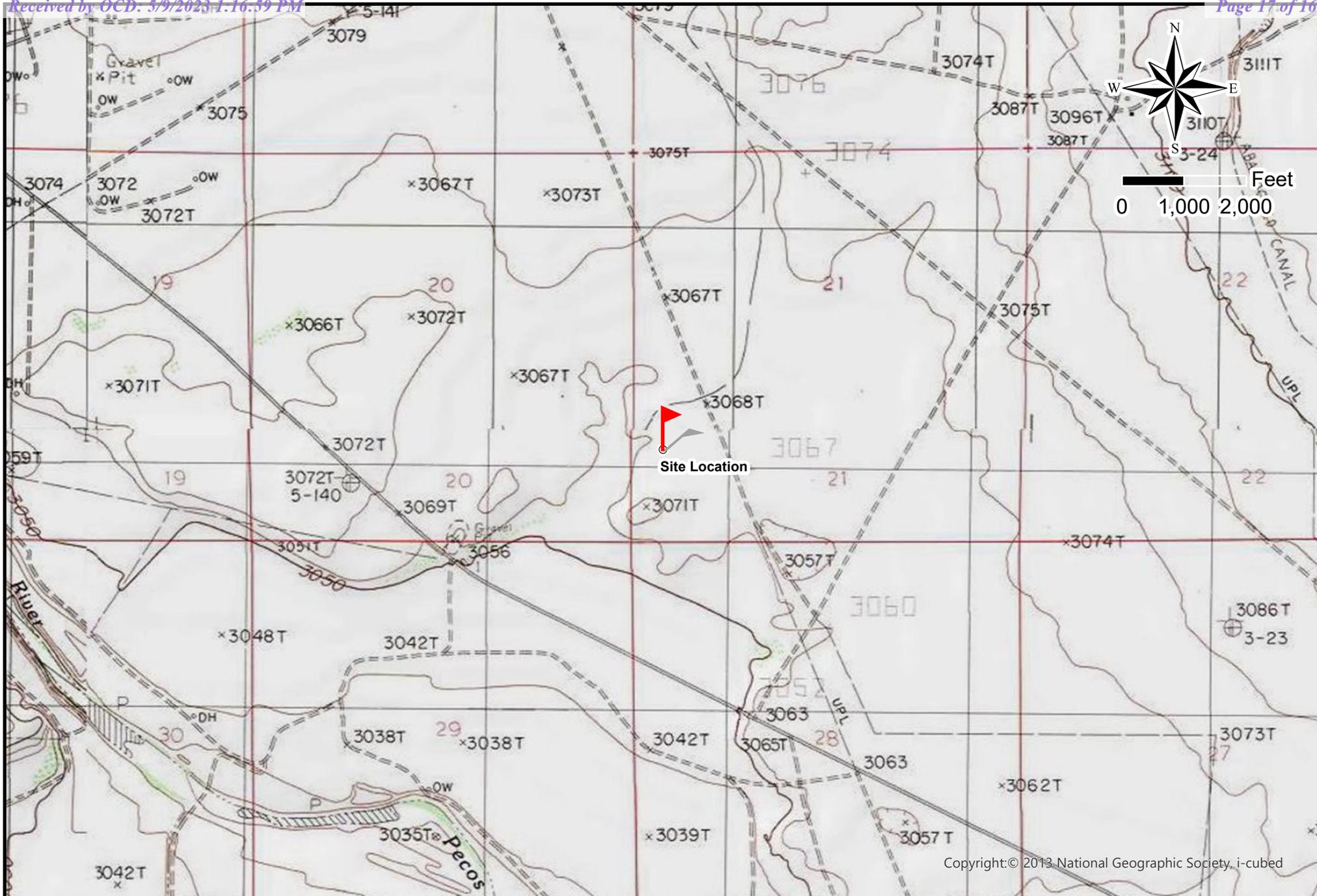


Maxar, New Mexico State University, Texas Parks & Wildlife, CONANP, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA



Drafted: 9/19/2022  
 1 in = 2,000 ft  
 Drafted By: IJR

ACE Stern Vegas Fee 22  
 Matador Production Company  
 nAPP2221684787  
 Eddy County, NM  
 Karst Map



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Drafted: 9/16/2022

1 in = 2,000 ft

Drafted By: IJR

ACE Stern Vegas Fee 22  
 Matador Production Company  
 nAPP2221684787  
 Eddy County, NM  
 Topographic Map



## Appendix II

### Groundwater Data, & Soil Survey, Wetlands Map







# New Mexico Office of the State Engineer

## Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)						
		(quarters are smallest to largest)					(NAD83 UTM in meters)	
<b>Well Tag</b>	<b>POD Number</b>	<b>Q64</b>	<b>Q16</b>	<b>Q4</b>	<b>Sec</b>	<b>Tw</b>	<b>Rng</b>	<b>X</b>
								<b>Y</b>
C	00052	3	4	4	30	22S	28E	582707
								3580371*

<b>Driller License:</b> 24	<b>Driller Company:</b> BRININSTOOL, M.D.	
<b>Driller Name:</b> HOWARD HEMLER		
<b>Drill Start Date:</b> 03/10/1952	<b>Drill Finish Date:</b> 03/26/1952	<b>Plug Date:</b>
<b>Log File Date:</b> 04/28/1952	<b>PCW Rev Date:</b>	<b>Source:</b> Shallow
<b>Pump Type:</b>	<b>Pipe Discharge Size:</b>	<b>Estimated Yield:</b>
<b>Casing Size:</b> 16.00	<b>Depth Well:</b> 208 feet	<b>Depth Water:</b> 12 feet

<b>Casing Perforations:</b>	<b>Top</b>	<b>Bottom</b>
	68	132

\*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

8/5/22 10:27 AM

POINT OF DIVERSION SUMMARY

## Custom Soil Resource Report

**Eddy Area, New Mexico****SM—Simona-Bippus complex, 0 to 5 percent slopes****Map Unit Setting**

*National map unit symbol:* 1w5x  
*Elevation:* 1,800 to 5,000 feet  
*Mean annual precipitation:* 8 to 24 inches  
*Mean annual air temperature:* 57 to 70 degrees F  
*Frost-free period:* 180 to 230 days  
*Farmland classification:* Not prime farmland

**Map Unit Composition**

*Simona and similar soils:* 55 percent  
*Bippus and similar soils:* 30 percent  
*Minor components:* 15 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Simona****Setting**

*Landform:* Plains, alluvial fans  
*Landform position (three-dimensional):* Rise  
*Down-slope shape:* Convex, linear  
*Across-slope shape:* Linear  
*Parent material:* Mixed alluvium and/or eolian sands

**Typical profile**

*H1 - 0 to 19 inches:* gravelly fine sandy loam  
*H2 - 19 to 23 inches:* indurated

**Properties and qualities**

*Slope:* 0 to 3 percent  
*Depth to restrictive feature:* 7 to 20 inches to petrocalcic  
*Drainage class:* Well drained  
*Runoff class:* Very high  
*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately low (0.00 to 0.06 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 15 percent  
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum:* 1.0  
*Available water supply, 0 to 60 inches:* Very low (about 2.1 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 7e  
*Hydrologic Soil Group:* D  
*Ecological site:* R042XC002NM - Shallow Sandy  
*Hydric soil rating:* No

## Custom Soil Resource Report

### Description of Bippus

#### Setting

*Landform:* Flood plains, alluvial fans  
*Landform position (three-dimensional):* Talf, rise  
*Down-slope shape:* Convex, linear  
*Across-slope shape:* Linear  
*Parent material:* Mixed alluvium

#### Typical profile

*H1 - 0 to 37 inches:* silty clay loam  
*H2 - 37 to 60 inches:* clay loam

#### Properties and qualities

*Slope:* 0 to 5 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Runoff class:* Very low  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high (0.60 to 2.00 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* OccasionalNone  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 40 percent  
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum:* 1.0  
*Available water supply, 0 to 60 inches:* Moderate (about 8.7 inches)

#### Interpretive groups

*Land capability classification (irrigated):* 2e  
*Land capability classification (nonirrigated):* 3e  
*Hydrologic Soil Group:* B  
*Ecological site:* R042XC017NM - Bottomland  
*Hydric soil rating:* No

### Minor Components

#### Simona

*Percent of map unit:* 8 percent  
*Ecological site:* R042XC002NM - Shallow Sandy  
*Hydric soil rating:* No

#### Bippus

*Percent of map unit:* 7 percent  
*Ecological site:* R042XC017NM - Bottomland  
*Hydric soil rating:* No

# National Flood Hazard Layer FIRMette



104°6'19"W 32°22'43"N



## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

- |                                    |  |  |
|------------------------------------|--|--|
| <b>SPECIAL FLOOD HAZARD AREAS</b>  |  | Without Base Flood Elevation (BFE)<br><i>Zone A, V, A99</i>  |
|                                    |  | With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>   |
|                                    |  | Regulatory Floodway  |
| <b>OTHER AREAS OF FLOOD HAZARD</b> |  | 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i> |
|                                    |  | Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>  |
|                                    |  | Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>  |
|                                    |  | Area with Flood Risk due to Levee <i>Zone D</i>  |
| <b>OTHER AREAS</b>                 |  | NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>   |
|                                    |  | Effective LOMRs  |
| <b>GENERAL STRUCTURES</b>          |  | Area of Undetermined Flood Hazard <i>Zone D</i>  |
|                                    |  | Channel, Culvert, or Storm Sewer   |
|                                    |  | Levee, Dike, or Floodwall  |
| <b>OTHER FEATURES</b>              |  | 20.2 Cross Sections with 1% Annual Chance Water Surface Elevation  |
|                                    |  | 17.5 Cross Sections with 1% Annual Chance Water Surface Elevation  |
|                                    |  | Coastal Transect   |
|                                    |  | Base Flood Elevation Line (BFE)  |
|                                    |  | Limit of Study   |
| <b>MAP PANELS</b>                  |  | Jurisdiction Boundary  |
|                                    |  | Coastal Transect Baseline  |
|                                    |  | Profile Baseline   |
|                                    |  | Hydrographic Feature   |
|                                    |  | Digital Data Available   |
|                                    |  | No Digital Data Available  |
|                                    |  | Unmapped   |
- The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/24/2022 at 6:01 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



## Appendix III

### Photographic Documentation



**Photograph No.1 Description:**

Aerial of impacted area on pad.



**Photograph No.2 Description:**

Excavated area on East side of pad.



**Photograph No.3 Description:**

Excavated area on south side of pad.



**Photograph No.4 Description:**

Excavated area on west side of pad.



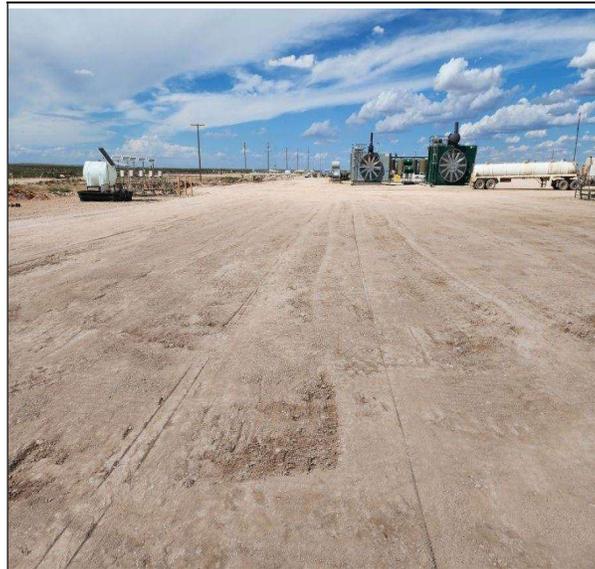
**Photograph No.5 Description:**

Backfilled to grade on East side of pad.



**Photograph No.6 Description:**

Backfilled to grade on south side of pad



**Photograph No.7 Description:**

Backfilled to grade on west side of pad.



## Appendix IV

### Laboratory Data



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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August 08, 2022

REBECCA PONS  
TALON LPE  
408 W. TEXAS AVE.  
ARTESIA, NM 88210

RE: ACE STERN VEGAS

Enclosed are the results of analyses for samples received by the laboratory on 08/05/22 8:54.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene  
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	08/05/2022	Sampling Date:	08/04/2022
Reported:	08/08/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 1 0.5' R (H223508-01)**

BTEX 8021B		mg/kg	Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.380</b>	0.100	08/06/2022	ND	2.01	101	2.00	4.93	
<b>Toluene*</b>	<b>3.94</b>	0.100	08/06/2022	ND	2.07	104	2.00	5.38	
<b>Ethylbenzene*</b>	<b>1.33</b>	0.100	08/06/2022	ND	2.08	104	2.00	4.84	
<b>Total Xylenes*</b>	<b>9.30</b>	0.300	08/06/2022	ND	6.34	106	6.00	4.99	
<b>Total BTEX</b>	<b>14.9</b>	0.600	08/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>20800</b>	16.0	08/06/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS							S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10*</b>	<b>47.7</b>	10.0	08/05/2022	ND	185	92.4	200	5.36		
<b>DRO &gt;C10-C28*</b>	<b>1310</b>	10.0	08/05/2022	ND	203	101	200	3.75		
<b>EXT DRO &gt;C28-C36</b>	<b>193</b>	10.0	08/05/2022	ND						

Surrogate: 1-Chlorooctane 105 % 43-149

Surrogate: 1-Chlorooctadecane 225 % 42.5-161

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	08/05/2022	Sampling Date:	08/04/2022
Reported:	08/08/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 2 0.5' R (H223508-02)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.084</b>	0.050	08/06/2022	ND	2.01	101	2.00	4.93	
<b>Toluene*</b>	<b>1.56</b>	0.050	08/06/2022	ND	2.07	104	2.00	5.38	
<b>Ethylbenzene*</b>	<b>0.799</b>	0.050	08/06/2022	ND	2.08	104	2.00	4.84	
<b>Total Xylenes*</b>	<b>5.88</b>	0.150	08/06/2022	ND	6.34	106	6.00	4.99	
<b>Total BTEX</b>	<b>8.33</b>	0.300	08/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 130 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>26400</b>	16.0	08/06/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10*</b>	<b>70.1</b>	10.0	08/05/2022	ND	185	92.4	200	5.36		
<b>DRO &gt;C10-C28*</b>	<b>1470</b>	10.0	08/05/2022	ND	203	101	200	3.75		
<b>EXT DRO &gt;C28-C36</b>	<b>338</b>	10.0	08/05/2022	ND						

Surrogate: 1-Chlorooctane 119 % 43-149

Surrogate: 1-Chlorooctadecane 252 % 42.5-161

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	08/05/2022	Sampling Date:	08/04/2022
Reported:	08/08/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 3 0.5' R (H223508-03)**

BTEX 8021B		mg/kg		Analyzed By: JH/				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>4.07</b>	0.500	08/06/2022	ND	2.01	101	2.00	4.93	
<b>Toluene*</b>	<b>52.3</b>	0.500	08/06/2022	ND	2.07	104	2.00	5.38	
<b>Ethylbenzene*</b>	<b>25.2</b>	0.500	08/06/2022	ND	2.08	104	2.00	4.84	
<b>Total Xylenes*</b>	<b>172</b>	1.50	08/06/2022	ND	6.34	106	6.00	4.99	
<b>Total BTEX</b>	<b>254</b>	3.00	08/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 146 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>13600</b>	16.0	08/06/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>2550</b>	100	08/08/2022	ND	185	92.4	200	5.36	
<b>DRO &gt;C10-C28*</b>	<b>23700</b>	100	08/08/2022	ND	203	101	200	3.75	
<b>EXT DRO &gt;C28-C36</b>	<b>4200</b>	100	08/08/2022	ND					

Surrogate: 1-Chlorooctane 546 % 43-149

Surrogate: 1-Chlorooctadecane 1240 % 42.5-161

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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\*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

101 East Marland, Hobbs, NM 88240  
 (575) 393-2326 FAX (575) 393-2476

Company Name: Tallon LPE

Project Manager: R. Pons

Address: 408 W. Texas Ave

City: Artesia

Phone #: 575.746.8768

Project #: 702520.033.01

Project Name: Ace Stern Vegas

Project Location: Eddy County, NM

Sampler Name: M. Gomez

**BILL TO**

P.O. #:

Company:

Attn:

Address:

City:

State:

Phone #:

Fax #:

**ANALYSIS REQUEST**

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH	BTEX	Chlorides
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H223568	1	6	1			X			8/4/22	6:30	X	X	X	
	2	1	1							6:40				
	3	1	1							6:50				

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: *Matthew Gomez*

Date: 8-5-22

Received By: *Muara Black*

Phone Result:  Yes  No

Fax Result:  Yes  No

ADD'l Phone #:

Relinquished By: *Matthew Gomez*

Date: 8-5-22

Received By: *Muara Black*

Delivered By: (Circle One) *N/A*

Date: 8-5-22

Received By: *Muara Black*

Sampler - UPS - Bus - Other: *UPS*

Date: 8-5-22

Received By: *Muara Black*

Sample Condition

Cool  Intact

CHECKED BY: *VO*

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

REMARKS: *Rush*

Page 1 of 1



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

September 16, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: ACE STERN VEGAS

Enclosed are the results of analyses for samples received by the laboratory on 09/14/22 14:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/12/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 4A 1' (H224244-01)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	1.74	87.1	2.00	13.0	
Toluene*	<0.050	0.050	09/15/2022	ND	1.74	87.2	2.00	12.4	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	1.67	83.5	2.00	13.5	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	5.23	87.2	6.00	13.3	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>384</b>	16.0	09/15/2022	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	178	89.1	200	0.220	
<b>DRO &gt;C10-C28*</b>	<b>17.8</b>	10.0	09/15/2022	ND	184	92.1	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 72.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.0 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/12/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 5A 1' (H224244-02)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	1.74	87.1	2.00	13.0	
Toluene*	<0.050	0.050	09/15/2022	ND	1.74	87.2	2.00	12.4	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	1.67	83.5	2.00	13.5	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	5.23	87.2	6.00	13.3	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/15/2022	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	178	89.1	200	0.220	
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	184	92.1	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 67.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 79.3 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/12/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 6A 1' (H224244-03)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	1.74	87.1	2.00	13.0	
Toluene*	<0.050	0.050	09/15/2022	ND	1.74	87.2	2.00	12.4	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	1.67	83.5	2.00	13.5	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	5.23	87.2	6.00	13.3	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>208</b>	16.0	09/15/2022	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	178	89.1	200	0.220	
<b>DRO &gt;C10-C28*</b>	<b>31.3</b>	10.0	09/15/2022	ND	184	92.1	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 61.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 72.7 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/12/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 7A 1' (H224244-04)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	1.74	87.1	2.00	13.0	
Toluene*	<0.050	0.050	09/15/2022	ND	1.74	87.2	2.00	12.4	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	1.67	83.5	2.00	13.5	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	5.23	87.2	6.00	13.3	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/15/2022	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	178	89.1	200	0.220	
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	184	92.1	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 65.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 71.9 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/12/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 8A 1' (H224244-05)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	1.74	87.1	2.00	13.0	
Toluene*	<0.050	0.050	09/15/2022	ND	1.74	87.2	2.00	12.4	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	1.67	83.5	2.00	13.5	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	5.23	87.2	6.00	13.3	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	09/15/2022	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	178	89.1	200	0.220	
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	184	92.1	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 71.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 81.5 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/12/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 9A 1' (H224244-06)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	1.74	87.1	2.00	13.0	
Toluene*	<0.050	0.050	09/15/2022	ND	1.74	87.2	2.00	12.4	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	1.67	83.5	2.00	13.5	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	5.23	87.2	6.00	13.3	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>240</b>	16.0	09/15/2022	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	178	89.1	200	0.220	
<b>DRO &gt;C10-C28*</b>	<b>19.1</b>	10.0	09/15/2022	ND	184	92.1	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 66.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 75.6 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/12/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 10 A 1' (H224244-07)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	1.74	87.1	2.00	13.0	
Toluene*	<0.050	0.050	09/15/2022	ND	1.74	87.2	2.00	12.4	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	1.67	83.5	2.00	13.5	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	5.23	87.2	6.00	13.3	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	09/15/2022	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	178	89.1	200	0.220	
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	184	92.1	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 71.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 81.2 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/12/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 11 A 2' (H224244-08)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	1.74	87.1	2.00	13.0	
Toluene*	<0.050	0.050	09/15/2022	ND	1.74	87.2	2.00	12.4	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	1.67	83.5	2.00	13.5	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	5.23	87.2	6.00	13.3	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	09/15/2022	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	178	89.1	200	0.220	
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	184	92.1	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 72.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.6 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/12/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 12 A 2' (H224244-09)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	1.74	87.1	2.00	13.0	
Toluene*	<0.050	0.050	09/15/2022	ND	1.74	87.2	2.00	12.4	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	1.67	83.5	2.00	13.5	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	5.23	87.2	6.00	13.3	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	09/15/2022	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	178	89.1	200	0.220	
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	184	92.1	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 60.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 70.3 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/12/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 13 A 2' (H224244-10)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	1.74	87.1	2.00	13.0	
Toluene*	<0.050	0.050	09/15/2022	ND	1.74	87.2	2.00	12.4	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	1.67	83.5	2.00	13.5	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	5.23	87.2	6.00	13.3	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	09/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	178	89.1	200	0.220	
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	184	92.1	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 64.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 75.9 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/12/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 14 A 2' (H224244-11)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	1.74	87.1	2.00	13.0	
Toluene*	<0.050	0.050	09/15/2022	ND	1.74	87.2	2.00	12.4	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	1.67	83.5	2.00	13.5	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	5.23	87.2	6.00	13.3	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	09/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	178	89.1	200	0.220	
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	184	92.1	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 73.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 84.0 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/12/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 15 A 2' (H224244-12)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	1.74	87.1	2.00	13.0	
Toluene*	<0.050	0.050	09/15/2022	ND	1.74	87.2	2.00	12.4	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	1.67	83.5	2.00	13.5	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	5.23	87.2	6.00	13.3	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	09/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	178	89.1	200	0.220	
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	184	92.1	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 63.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 72.6 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/12/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 16 A 2' (H224244-13)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	1.74	87.1	2.00	13.0	
Toluene*	<0.050	0.050	09/15/2022	ND	1.74	87.2	2.00	12.4	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	1.67	83.5	2.00	13.5	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	5.23	87.2	6.00	13.3	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>256</b>	16.0	09/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	178	89.1	200	0.220	
<b>DRO &gt;C10-C28*</b>	<b>11.4</b>	10.0	09/15/2022	ND	184	92.1	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 71.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/12/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 17 A 1' (H224244-14)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	1.74	87.1	2.00	13.0	
Toluene*	<0.050	0.050	09/15/2022	ND	1.74	87.2	2.00	12.4	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	1.67	83.5	2.00	13.5	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	5.23	87.2	6.00	13.3	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	09/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	178	89.1	200	0.220	
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	184	92.1	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 66.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 76.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/12/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 18 A 1' (H224244-15)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	1.74	87.1	2.00	13.0	
Toluene*	<0.050	0.050	09/15/2022	ND	1.74	87.2	2.00	12.4	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	1.67	83.5	2.00	13.5	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	5.23	87.2	6.00	13.3	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>288</b>	16.0	09/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	182	90.9	200	2.30	
<b>DRO &gt;C10-C28*</b>	<b>13.7</b>	10.0	09/15/2022	ND	187	93.6	200	2.60	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 74.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 78.0 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/12/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 19 A 1' (H224244-16)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/15/2022	ND	2.06	103	2.00	3.37	QM-07, QR-03	
Toluene*	<0.050	0.050	09/15/2022	ND	2.05	102	2.00	4.73	QR-03	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.01	100	2.00	3.52	QR-03	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.15	102	6.00	3.27	QR-03	
Total BTEX	<0.300	0.300	09/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	09/15/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	182	90.9	200	2.30		
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	187	93.6	200	2.60		
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND						

Surrogate: 1-Chlorooctane 74.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 76.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/12/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 20 A 2' (H224244-17)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	2.06	103	2.00	3.37	
Toluene*	<0.050	0.050	09/15/2022	ND	2.05	102	2.00	4.73	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.01	100	2.00	3.52	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.15	102	6.00	3.27	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	09/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	182	90.9	200	2.30	
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	187	93.6	200	2.60	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 80.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 82.0 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/12/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 21 A 2' (H224244-18)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	2.06	103	2.00	3.37	
Toluene*	<0.050	0.050	09/15/2022	ND	2.05	102	2.00	4.73	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.01	100	2.00	3.52	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.15	102	6.00	3.27	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	09/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	182	90.9	200	2.30	
DRO >C10-C28*	24.5	10.0	09/15/2022	ND	187	93.6	200	2.60	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 81.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.6 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/12/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 22 A 2' (H224244-19)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	2.06	103	2.00	3.37	
Toluene*	<0.050	0.050	09/15/2022	ND	2.05	102	2.00	4.73	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.01	100	2.00	3.52	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.15	102	6.00	3.27	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	09/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	182	90.9	200	2.30	
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	187	93.6	200	2.60	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 84.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.3 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/12/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 23 A 2' (H224244-20)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	2.06	103	2.00	3.37	
Toluene*	<0.050	0.050	09/15/2022	ND	2.05	102	2.00	4.73	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.01	100	2.00	3.52	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.15	102	6.00	3.27	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	09/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	182	90.9	200	2.30	
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	187	93.6	200	2.60	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 76.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 79.3 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 24 A 2' (H224244-21)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	2.06	103	2.00	3.37	
Toluene*	<0.050	0.050	09/15/2022	ND	2.05	102	2.00	4.73	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.01	100	2.00	3.52	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.15	102	6.00	3.27	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	182	90.9	200	2.30	
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	187	93.6	200	2.60	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 78.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 81.6 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 25 A 2' (H224244-22)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	2.06	103	2.00	3.37	
Toluene*	<0.050	0.050	09/15/2022	ND	2.05	102	2.00	4.73	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.01	100	2.00	3.52	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.15	102	6.00	3.27	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>320</b>	16.0	09/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	182	90.9	200	2.30	
<b>DRO &gt;C10-C28*</b>	<b>17.9</b>	10.0	09/15/2022	ND	187	93.6	200	2.60	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 78.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 82.4 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 26 A 2' (H224244-23)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	2.06	103	2.00	3.37	
Toluene*	<0.050	0.050	09/15/2022	ND	2.05	102	2.00	4.73	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.01	100	2.00	3.52	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.15	102	6.00	3.27	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>304</b>	16.0	09/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	182	90.9	200	2.30	
<b>DRO &gt;C10-C28*</b>	<b>16.4</b>	10.0	09/15/2022	ND	187	93.6	200	2.60	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 86.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.4 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 27 A 2' (H224244-24)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	2.06	103	2.00	3.37	
Toluene*	<0.050	0.050	09/15/2022	ND	2.05	102	2.00	4.73	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.01	100	2.00	3.52	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.15	102	6.00	3.27	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	182	90.9	200	2.30	
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	187	93.6	200	2.60	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 70.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 73.1 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 28 A 2' (H224244-25)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	2.06	103	2.00	3.37	
Toluene*	<0.050	0.050	09/15/2022	ND	2.05	102	2.00	4.73	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.01	100	2.00	3.52	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.15	102	6.00	3.27	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	182	90.9	200	2.30	
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	187	93.6	200	2.60	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 82.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.2 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 29 A 2' (H224244-26)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	2.06	103	2.00	3.37	
Toluene*	<0.050	0.050	09/15/2022	ND	2.05	102	2.00	4.73	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.01	100	2.00	3.52	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.15	102	6.00	3.27	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	182	90.9	200	2.30	
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	187	93.6	200	2.60	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 83.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 30 A 2' (H224244-27)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	2.06	103	2.00	3.37	
Toluene*	<0.050	0.050	09/15/2022	ND	2.05	102	2.00	4.73	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.01	100	2.00	3.52	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.15	102	6.00	3.27	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	09/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	182	90.9	200	2.30	
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	187	93.6	200	2.60	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 78.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.8 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 31 A 2' (H224244-28)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	2.06	103	2.00	3.37	
Toluene*	<0.050	0.050	09/15/2022	ND	2.05	102	2.00	4.73	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.01	100	2.00	3.52	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.15	102	6.00	3.27	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>288</b>	16.0	09/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	182	90.9	200	2.30	
<b>DRO &gt;C10-C28*</b>	<b>64.8</b>	10.0	09/15/2022	ND	187	93.6	200	2.60	
<b>EXT DRO &gt;C28-C36</b>	<b>23.5</b>	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 82.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.4 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 32 A 2' (H224244-29)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/15/2022	ND	2.06	103	2.00	3.37		
Toluene*	<0.050	0.050	09/15/2022	ND	2.05	102	2.00	4.73		
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.01	100	2.00	3.52		
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.15	102	6.00	3.27		
Total BTEX	<0.300	0.300	09/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	09/15/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	182	90.9	200	2.30		
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	187	93.6	200	2.60		
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND						

Surrogate: 1-Chlorooctane 73.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 77.7 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 33 A 2' (H224244-30)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	2.06	103	2.00	3.37	
Toluene*	<0.050	0.050	09/15/2022	ND	2.05	102	2.00	4.73	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.01	100	2.00	3.52	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.15	102	6.00	3.27	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	09/15/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	182	90.9	200	2.30	
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	187	93.6	200	2.60	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 79.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.1 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/12/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 34 A 2' (H224244-31)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/15/2022	ND	2.06	103	2.00	3.37		
Toluene*	<0.050	0.050	09/15/2022	ND	2.05	102	2.00	4.73		
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.01	100	2.00	3.52		
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.15	102	6.00	3.27		
Total BTEX	<0.300	0.300	09/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	09/15/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	182	90.9	200	2.30		
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	187	93.6	200	2.60		
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND						

Surrogate: 1-Chlorooctane 84.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.1 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/12/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 35 A 2' (H224244-32)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	2.06	103	2.00	3.37	
Toluene*	<0.050	0.050	09/15/2022	ND	2.05	102	2.00	4.73	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.01	100	2.00	3.52	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.15	102	6.00	3.27	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>576</b>	16.0	09/15/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	182	90.9	200	2.30	
<b>DRO &gt;C10-C28*</b>	<b>65.7</b>	10.0	09/15/2022	ND	187	93.6	200	2.60	
<b>EXT DRO &gt;C28-C36</b>	<b>18.3</b>	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 86.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.7 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/12/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 36 A 2' (H224244-33)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	2.06	103	2.00	3.37	
Toluene*	<0.050	0.050	09/15/2022	ND	2.05	102	2.00	4.73	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.01	100	2.00	3.52	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.15	102	6.00	3.27	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	09/15/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	182	90.9	200	2.30	
DRO >C10-C28*	71.7	10.0	09/15/2022	ND	187	93.6	200	2.60	
EXT DRO >C28-C36	23.6	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 85.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/12/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 37 A 2' (H224244-34)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/15/2022	ND	2.06	103	2.00	3.37		
Toluene*	<0.050	0.050	09/15/2022	ND	2.05	102	2.00	4.73		
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.01	100	2.00	3.52		
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.15	102	6.00	3.27		
Total BTEX	<0.300	0.300	09/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	09/15/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	182	90.9	200	2.30		
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	187	93.6	200	2.60		
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND						

Surrogate: 1-Chlorooctane 82.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.0 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/12/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 38 A 2' (H224244-35)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	2.06	103	2.00	3.37	
Toluene*	<0.050	0.050	09/15/2022	ND	2.05	102	2.00	4.73	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.01	100	2.00	3.52	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.15	102	6.00	3.27	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>400</b>	16.0	09/15/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	230	115	200	24.0	
<b>DRO &gt;C10-C28*</b>	<b>17.0</b>	10.0	09/15/2022	ND	243	122	200	27.5	
<b>EXT DRO &gt;C28-C36</b>	<b>17.5</b>	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 77.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.0 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/12/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 39 A 2' (H224244-36)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	1.93	96.4	2.00	2.34	QM-07
Toluene*	<0.050	0.050	09/15/2022	ND	2.15	107	2.00	4.15	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.03	102	2.00	6.52	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.29	105	6.00	6.50	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>432</b>	16.0	09/15/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	230	115	200	24.0	
<b>DRO &gt;C10-C28*</b>	<b>38.6</b>	10.0	09/15/2022	ND	243	122	200	27.5	
<b>EXT DRO &gt;C28-C36</b>	<b>16.6</b>	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 111 % 45.3-161

Surrogate: 1-Chlorooctadecane 132 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 40 A 2' (H224244-37)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	1.93	96.4	2.00	2.34	
Toluene*	<0.050	0.050	09/15/2022	ND	2.15	107	2.00	4.15	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.03	102	2.00	6.52	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.29	105	6.00	6.50	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>320</b>	16.0	09/15/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	230	115	200	24.0	
<b>DRO &gt;C10-C28*</b>	<b>74.8</b>	10.0	09/15/2022	ND	243	122	200	27.5	
<b>EXT DRO &gt;C28-C36</b>	<b>29.5</b>	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 103 % 45.3-161

Surrogate: 1-Chlorooctadecane 126 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 41 A 2' (H224244-38)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	1.93	96.4	2.00	2.34	
Toluene*	<0.050	0.050	09/15/2022	ND	2.15	107	2.00	4.15	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.03	102	2.00	6.52	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.29	105	6.00	6.50	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>608</b>	16.0	09/15/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	230	115	200	24.0	
<b>DRO &gt;C10-C28*</b>	<b>120</b>	10.0	09/15/2022	ND	243	122	200	27.5	
<b>EXT DRO &gt;C28-C36</b>	<b>44.9</b>	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 76.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.2 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 42 A 2' (H224244-39)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	1.93	96.4	2.00	2.34	
Toluene*	<0.050	0.050	09/15/2022	ND	2.15	107	2.00	4.15	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.03	102	2.00	6.52	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.29	105	6.00	6.50	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>368</b>	16.0	09/15/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	230	115	200	24.0	
<b>DRO &gt;C10-C28*</b>	<b>16.8</b>	10.0	09/15/2022	ND	243	122	200	27.5	
<b>EXT DRO &gt;C28-C36</b>	<b>18.4</b>	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 79.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.5 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 43 A 2' (H224244-40)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	1.93	96.4	2.00	2.34	
Toluene*	<0.050	0.050	09/15/2022	ND	2.15	107	2.00	4.15	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.03	102	2.00	6.52	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.29	105	6.00	6.50	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>256</b>	16.0	09/15/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	230	115	200	24.0	
<b>DRO &gt;C10-C28*</b>	<b>10.1</b>	10.0	09/15/2022	ND	243	122	200	27.5	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 80.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 44 A 2' (H224244-41)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	1.93	96.4	2.00	2.34	
Toluene*	<0.050	0.050	09/15/2022	ND	2.15	107	2.00	4.15	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.03	102	2.00	6.52	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.29	105	6.00	6.50	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>368</b>	16.0	09/15/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	230	115	200	24.0	
<b>DRO &gt;C10-C28*</b>	<b>36.0</b>	10.0	09/15/2022	ND	243	122	200	27.5	
<b>EXT DRO &gt;C28-C36</b>	<b>14.8</b>	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 84.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 45 A 2' (H224244-42)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/15/2022	ND	1.93	96.4	2.00	2.34		
Toluene*	<0.050	0.050	09/15/2022	ND	2.15	107	2.00	4.15		
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.03	102	2.00	6.52		
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.29	105	6.00	6.50		
Total BTEX	<0.300	0.300	09/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>352</b>	16.0	09/15/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	230	115	200	24.0		
<b>DRO &gt;C10-C28*</b>	<b>15.3</b>	10.0	09/15/2022	ND	243	122	200	27.5		
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND						

Surrogate: 1-Chlorooctane 79.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 46 A 2' (H224244-43)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	1.93	96.4	2.00	2.34	
Toluene*	<0.050	0.050	09/15/2022	ND	2.15	107	2.00	4.15	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.03	102	2.00	6.52	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.29	105	6.00	6.50	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>400</b>	16.0	09/15/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	230	115	200	24.0	
<b>DRO &gt;C10-C28*</b>	<b>69.0</b>	10.0	09/15/2022	ND	243	122	200	27.5	
<b>EXT DRO &gt;C28-C36</b>	<b>25.2</b>	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 81.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.3 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 47 A 2' (H224244-44)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	1.93	96.4	2.00	2.34	
Toluene*	<0.050	0.050	09/15/2022	ND	2.15	107	2.00	4.15	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.03	102	2.00	6.52	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.29	105	6.00	6.50	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>224</b>	16.0	09/15/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	230	115	200	24.0	
<b>DRO &gt;C10-C28*</b>	<b>35.2</b>	10.0	09/15/2022	ND	243	122	200	27.5	
<b>EXT DRO &gt;C28-C36</b>	<b>15.0</b>	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 105 % 45.3-161

Surrogate: 1-Chlorooctadecane 126 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 48 A 2' (H224244-45)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	1.93	96.4	2.00	2.34	
Toluene*	<0.050	0.050	09/15/2022	ND	2.15	107	2.00	4.15	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.03	102	2.00	6.52	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.29	105	6.00	6.50	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>400</b>	16.0	09/15/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	230	115	200	24.0	
<b>DRO &gt;C10-C28*</b>	<b>29.9</b>	10.0	09/15/2022	ND	243	122	200	27.5	
<b>EXT DRO &gt;C28-C36</b>	<b>10.6</b>	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 75.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.1 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 49 A 2' (H224244-46)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	1.93	96.4	2.00	2.34	
Toluene*	<0.050	0.050	09/15/2022	ND	2.15	107	2.00	4.15	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.03	102	2.00	6.52	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.29	105	6.00	6.50	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>560</b>	16.0	09/15/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	230	115	200	24.0	
<b>DRO &gt;C10-C28*</b>	<b>76.8</b>	10.0	09/15/2022	ND	243	122	200	27.5	
<b>EXT DRO &gt;C28-C36</b>	<b>24.7</b>	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 75.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.7 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 50 A 2' (H224244-47)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	1.93	96.4	2.00	2.34	
Toluene*	<0.050	0.050	09/15/2022	ND	2.15	107	2.00	4.15	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.03	102	2.00	6.52	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.29	105	6.00	6.50	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	09/15/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	230	115	200	24.0	
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	243	122	200	27.5	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 84.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.9 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 51 A 2' (H224244-48)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	1.93	96.4	2.00	2.34	
Toluene*	<0.050	0.050	09/15/2022	ND	2.15	107	2.00	4.15	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.03	102	2.00	6.52	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.29	105	6.00	6.50	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>368</b>	16.0	09/15/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	230	115	200	24.0	
<b>DRO &gt;C10-C28*</b>	<b>120</b>	10.0	09/15/2022	ND	243	122	200	27.5	
<b>EXT DRO &gt;C28-C36</b>	<b>32.3</b>	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 90.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 113 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 52 A 2' (H224244-49)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	1.93	96.4	2.00	2.34	
Toluene*	<0.050	0.050	09/15/2022	ND	2.15	107	2.00	4.15	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.03	102	2.00	6.52	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.29	105	6.00	6.50	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>352</b>	16.0	09/15/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	230	115	200	24.0	
<b>DRO &gt;C10-C28*</b>	<b>35.2</b>	10.0	09/15/2022	ND	243	122	200	27.5	
<b>EXT DRO &gt;C28-C36</b>	<b>13.9</b>	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 86.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 53 A 2' (H224244-50)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	1.93	96.4	2.00	2.34	
Toluene*	<0.050	0.050	09/15/2022	ND	2.15	107	2.00	4.15	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.03	102	2.00	6.52	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.29	105	6.00	6.50	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>336</b>	16.0	09/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	230	115	200	24.0	
<b>DRO &gt;C10-C28*</b>	<b>25.2</b>	10.0	09/15/2022	ND	243	122	200	27.5	
<b>EXT DRO &gt;C28-C36</b>	<b>10.8</b>	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 104 % 45.3-161

Surrogate: 1-Chlorooctadecane 125 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 54 A 2' (H224244-51)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	1.93	96.4	2.00	2.34	
Toluene*	<0.050	0.050	09/15/2022	ND	2.15	107	2.00	4.15	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.03	102	2.00	6.52	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.29	105	6.00	6.50	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>464</b>	16.0	09/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	230	115	200	24.0	
<b>DRO &gt;C10-C28*</b>	<b>41.8</b>	10.0	09/15/2022	ND	243	122	200	27.5	
<b>EXT DRO &gt;C28-C36</b>	<b>10.5</b>	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 111 % 45.3-161

Surrogate: 1-Chlorooctadecane 135 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 55 A 2' (H224244-52)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	1.93	96.4	2.00	2.34	
Toluene*	<0.050	0.050	09/15/2022	ND	2.15	107	2.00	4.15	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.03	102	2.00	6.52	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.29	105	6.00	6.50	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 87.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>352</b>	16.0	09/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	230	115	200	24.0	
<b>DRO &gt;C10-C28*</b>	<b>33.2</b>	10.0	09/15/2022	ND	243	122	200	27.5	
<b>EXT DRO &gt;C28-C36</b>	<b>12.2</b>	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 111 % 45.3-161

Surrogate: 1-Chlorooctadecane 132 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 56 A 2' (H224244-53)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	1.93	96.4	2.00	2.34	
Toluene*	<0.050	0.050	09/15/2022	ND	2.15	107	2.00	4.15	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.03	102	2.00	6.52	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.29	105	6.00	6.50	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>448</b>	16.0	09/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	230	115	200	24.0	
<b>DRO &gt;C10-C28*</b>	<b>23.9</b>	10.0	09/15/2022	ND	243	122	200	27.5	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 81.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.0 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 57 A 2' (H224244-54)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	1.93	96.4	2.00	2.34	
Toluene*	<0.050	0.050	09/15/2022	ND	2.15	107	2.00	4.15	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.03	102	2.00	6.52	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.29	105	6.00	6.50	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>560</b>	16.0	09/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	230	115	200	24.0	
<b>DRO &gt;C10-C28*</b>	<b>60.8</b>	10.0	09/15/2022	ND	243	122	200	27.5	
<b>EXT DRO &gt;C28-C36</b>	<b>15.5</b>	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 106 % 45.3-161

Surrogate: 1-Chlorooctadecane 129 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 58 A 2' (H224244-55)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	1.93	96.4	2.00	2.34	
Toluene*	<0.050	0.050	09/15/2022	ND	2.15	107	2.00	4.15	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.03	102	2.00	6.52	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.29	105	6.00	6.50	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	09/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	173	86.3	200	3.95	
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	187	93.6	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 79.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.1 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 59 A 2' (H224244-56)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/15/2022	ND	1.92	95.8	2.00	2.58	QM-07, QR-03	
Toluene*	<0.050	0.050	09/15/2022	ND	2.10	105	2.00	2.40	QR-03	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.03	102	2.00	2.34		
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.23	104	6.00	2.74		
Total BTEX	<0.300	0.300	09/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>288</b>	16.0	09/15/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	173	86.3	200	3.95		
<b>DRO &gt;C10-C28*</b>	<b>12.8</b>	10.0	09/15/2022	ND	187	93.6	200	3.37		
<b>EXT DRO &gt;C28-C36</b>	<b>10.7</b>	10.0	09/15/2022	ND						

Surrogate: 1-Chlorooctane 78.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.3 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 60 A 2' (H224244-57)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	1.92	95.8	2.00	2.58	
Toluene*	<0.050	0.050	09/15/2022	ND	2.10	105	2.00	2.40	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.03	102	2.00	2.34	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.23	104	6.00	2.74	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>320</b>	16.0	09/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	173	86.3	200	3.95	
<b>DRO &gt;C10-C28*</b>	<b>20.0</b>	10.0	09/15/2022	ND	187	93.6	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 103 % 45.3-161

Surrogate: 1-Chlorooctadecane 120 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 61 A 2' (H224244-58)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	1.92	95.8	2.00	2.58	
Toluene*	<0.050	0.050	09/15/2022	ND	2.10	105	2.00	2.40	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.03	102	2.00	2.34	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.23	104	6.00	2.74	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	09/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	173	86.3	200	3.95	
DRO >C10-C28*	30.1	10.0	09/15/2022	ND	187	93.6	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 122 % 45.3-161

Surrogate: 1-Chlorooctadecane 143 % 46.3-178

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 62 A 2' (H224244-59)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2022	ND	1.92	95.8	2.00	2.58	
Toluene*	<0.050	0.050	09/16/2022	ND	2.10	105	2.00	2.40	
Ethylbenzene*	<0.050	0.050	09/16/2022	ND	2.03	102	2.00	2.34	
Total Xylenes*	<0.150	0.150	09/16/2022	ND	6.23	104	6.00	2.74	
Total BTEX	<0.300	0.300	09/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>320</b>	16.0	09/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	173	86.3	200	3.95	
<b>DRO &gt;C10-C28*</b>	<b>12.6</b>	10.0	09/15/2022	ND	187	93.6	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 83.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.5 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 63 A 2' (H224244-60)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2022	ND	1.92	95.8	2.00	2.58	
Toluene*	<0.050	0.050	09/16/2022	ND	2.10	105	2.00	2.40	
Ethylbenzene*	<0.050	0.050	09/16/2022	ND	2.03	102	2.00	2.34	
Total Xylenes*	<0.150	0.150	09/16/2022	ND	6.23	104	6.00	2.74	
Total BTEX	<0.300	0.300	09/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>368</b>	16.0	09/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	173	86.3	200	3.95	
<b>DRO &gt;C10-C28*</b>	<b>18.1</b>	10.0	09/15/2022	ND	187	93.6	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 88.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 64 A 2' (H224244-61)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2022	ND	1.92	95.8	2.00	2.58	
Toluene*	<0.050	0.050	09/16/2022	ND	2.10	105	2.00	2.40	
Ethylbenzene*	<0.050	0.050	09/16/2022	ND	2.03	102	2.00	2.34	
Total Xylenes*	<0.150	0.150	09/16/2022	ND	6.23	104	6.00	2.74	
Total BTEX	<0.300	0.300	09/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>304</b>	16.0	09/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	173	86.3	200	3.95	
<b>DRO &gt;C10-C28*</b>	<b>22.2</b>	10.0	09/15/2022	ND	187	93.6	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 89.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 65 A 2' (H224244-62)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2022	ND	1.92	95.8	2.00	2.58	
Toluene*	<0.050	0.050	09/16/2022	ND	2.10	105	2.00	2.40	
Ethylbenzene*	<0.050	0.050	09/16/2022	ND	2.03	102	2.00	2.34	
Total Xylenes*	<0.150	0.150	09/16/2022	ND	6.23	104	6.00	2.74	
Total BTEX	<0.300	0.300	09/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>352</b>	16.0	09/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	173	86.3	200	3.95	
<b>DRO &gt;C10-C28*</b>	<b>13.8</b>	10.0	09/15/2022	ND	187	93.6	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 76.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.4 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 66 A 2' (H224244-63)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2022	ND	1.92	95.8	2.00	2.58	
Toluene*	<0.050	0.050	09/16/2022	ND	2.10	105	2.00	2.40	
Ethylbenzene*	<0.050	0.050	09/16/2022	ND	2.03	102	2.00	2.34	
Total Xylenes*	<0.150	0.150	09/16/2022	ND	6.23	104	6.00	2.74	
Total BTEX	<0.300	0.300	09/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/16/2022	ND	173	86.3	200	3.95	
DRO >C10-C28*	<10.0	10.0	09/16/2022	ND	187	93.6	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	09/16/2022	ND					

Surrogate: 1-Chlorooctane 78.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.0 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 67 A 2' (H224244-64)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2022	ND	1.92	95.8	2.00	2.58	
Toluene*	<0.050	0.050	09/16/2022	ND	2.10	105	2.00	2.40	
Ethylbenzene*	<0.050	0.050	09/16/2022	ND	2.03	102	2.00	2.34	
Total Xylenes*	<0.150	0.150	09/16/2022	ND	6.23	104	6.00	2.74	
Total BTEX	<0.300	0.300	09/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>352</b>	16.0	09/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/16/2022	ND	173	86.3	200	3.95	
<b>DRO &gt;C10-C28*</b>	<b>17.3</b>	10.0	09/16/2022	ND	187	93.6	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	09/16/2022	ND					

Surrogate: 1-Chlorooctane 82.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.5 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 68 A 2' (H224244-65)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2022	ND	1.92	95.8	2.00	2.58	
Toluene*	<0.050	0.050	09/16/2022	ND	2.10	105	2.00	2.40	
Ethylbenzene*	<0.050	0.050	09/16/2022	ND	2.03	102	2.00	2.34	
Total Xylenes*	<0.150	0.150	09/16/2022	ND	6.23	104	6.00	2.74	
Total BTEX	<0.300	0.300	09/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>336</b>	16.0	09/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/16/2022	ND	173	86.3	200	3.95	
<b>DRO &gt;C10-C28*</b>	<b>23.1</b>	10.0	09/16/2022	ND	187	93.6	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	09/16/2022	ND					

Surrogate: 1-Chlorooctane 83.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.4 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 69 A 2' (H224244-66)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2022	ND	1.92	95.8	2.00	2.58	
Toluene*	<0.050	0.050	09/16/2022	ND	2.10	105	2.00	2.40	
Ethylbenzene*	<0.050	0.050	09/16/2022	ND	2.03	102	2.00	2.34	
Total Xylenes*	<0.150	0.150	09/16/2022	ND	6.23	104	6.00	2.74	
Total BTEX	<0.300	0.300	09/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 88.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>288</b>	16.0	09/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/16/2022	ND	173	86.3	200	3.95	
<b>DRO &gt;C10-C28*</b>	<b>16.6</b>	10.0	09/16/2022	ND	187	93.6	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	09/16/2022	ND					

Surrogate: 1-Chlorooctane 82.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.3 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 70 A 2' (H224244-67)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2022	ND	1.92	95.8	2.00	2.58	
Toluene*	<0.050	0.050	09/16/2022	ND	2.10	105	2.00	2.40	
Ethylbenzene*	<0.050	0.050	09/16/2022	ND	2.03	102	2.00	2.34	
Total Xylenes*	<0.150	0.150	09/16/2022	ND	6.23	104	6.00	2.74	
Total BTEX	<0.300	0.300	09/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>320</b>	16.0	09/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/16/2022	ND	173	86.3	200	3.95	
<b>DRO &gt;C10-C28*</b>	<b>13.1</b>	10.0	09/16/2022	ND	187	93.6	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	09/16/2022	ND					

Surrogate: 1-Chlorooctane 82.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.0 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 71 A 2' (H224244-68)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2022	ND	1.92	95.8	2.00	2.58	
Toluene*	<0.050	0.050	09/16/2022	ND	2.10	105	2.00	2.40	
Ethylbenzene*	<0.050	0.050	09/16/2022	ND	2.03	102	2.00	2.34	
Total Xylenes*	<0.150	0.150	09/16/2022	ND	6.23	104	6.00	2.74	
Total BTEX	<0.300	0.300	09/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>320</b>	16.0	09/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/16/2022	ND	173	86.3	200	3.95	
<b>DRO &gt;C10-C28*</b>	<b>17.0</b>	10.0	09/16/2022	ND	187	93.6	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	09/16/2022	ND					

Surrogate: 1-Chlorooctane 105 % 45.3-161

Surrogate: 1-Chlorooctadecane 123 % 46.3-178

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\*=Accredited Analyte

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 72 A 2' (H224244-69)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2022	ND	1.92	95.8	2.00	2.58	
Toluene*	<0.050	0.050	09/16/2022	ND	2.10	105	2.00	2.40	
Ethylbenzene*	<0.050	0.050	09/16/2022	ND	2.03	102	2.00	2.34	
Total Xylenes*	<0.150	0.150	09/16/2022	ND	6.23	104	6.00	2.74	
Total BTEX	<0.300	0.300	09/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>368</b>	16.0	09/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/16/2022	ND	173	86.3	200	3.95	
<b>DRO &gt;C10-C28*</b>	<b>19.3</b>	10.0	09/16/2022	ND	187	93.6	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	09/16/2022	ND					

Surrogate: 1-Chlorooctane 77.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.0 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 73 A 2' (H224244-70)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2022	ND	1.92	95.8	2.00	2.58	
Toluene*	<0.050	0.050	09/16/2022	ND	2.10	105	2.00	2.40	
Ethylbenzene*	<0.050	0.050	09/16/2022	ND	2.03	102	2.00	2.34	
Total Xylenes*	<0.150	0.150	09/16/2022	ND	6.23	104	6.00	2.74	
Total BTEX	<0.300	0.300	09/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>304</b>	16.0	09/16/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/16/2022	ND	173	86.3	200	3.95	
<b>DRO &gt;C10-C28*</b>	<b>25.6</b>	10.0	09/16/2022	ND	187	93.6	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	09/16/2022	ND					

Surrogate: 1-Chlorooctane 108 % 45.3-161

Surrogate: 1-Chlorooctadecane 126 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 74 A 2' (H224244-71)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2022	ND	1.92	95.8	2.00	2.58	
Toluene*	<0.050	0.050	09/16/2022	ND	2.10	105	2.00	2.40	
Ethylbenzene*	<0.050	0.050	09/16/2022	ND	2.03	102	2.00	2.34	
Total Xylenes*	<0.150	0.150	09/16/2022	ND	6.23	104	6.00	2.74	
Total BTEX	<0.300	0.300	09/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>336</b>	16.0	09/16/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/16/2022	ND	173	86.3	200	3.95	
<b>DRO &gt;C10-C28*</b>	<b>14.9</b>	10.0	09/16/2022	ND	187	93.6	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	09/16/2022	ND					

Surrogate: 1-Chlorooctane 84.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.8 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 75 A 2' (H224244-72)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2022	ND	1.92	95.8	2.00	2.58	
Toluene*	<0.050	0.050	09/16/2022	ND	2.10	105	2.00	2.40	
Ethylbenzene*	<0.050	0.050	09/16/2022	ND	2.03	102	2.00	2.34	
Total Xylenes*	<0.150	0.150	09/16/2022	ND	6.23	104	6.00	2.74	
Total BTEX	<0.300	0.300	09/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>336</b>	16.0	09/16/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/16/2022	ND	173	86.3	200	3.95	
<b>DRO &gt;C10-C28*</b>	<b>12.1</b>	10.0	09/16/2022	ND	187	93.6	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	09/16/2022	ND					

Surrogate: 1-Chlorooctane 78.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 76 A 2' (H224244-73)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2022	ND	1.92	95.8	2.00	2.58	
Toluene*	<0.050	0.050	09/16/2022	ND	2.10	105	2.00	2.40	
Ethylbenzene*	<0.050	0.050	09/16/2022	ND	2.03	102	2.00	2.34	
Total Xylenes*	<0.150	0.150	09/16/2022	ND	6.23	104	6.00	2.74	
Total BTEX	<0.300	0.300	09/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>288</b>	16.0	09/16/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/16/2022	ND	173	86.3	200	3.95	
<b>DRO &gt;C10-C28*</b>	<b>16.0</b>	10.0	09/16/2022	ND	187	93.6	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	09/16/2022	ND					

Surrogate: 1-Chlorooctane 85.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 77 A 2' (H224244-74)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2022	ND	1.92	95.8	2.00	2.58	
Toluene*	<0.050	0.050	09/16/2022	ND	2.10	105	2.00	2.40	
Ethylbenzene*	<0.050	0.050	09/16/2022	ND	2.03	102	2.00	2.34	
Total Xylenes*	<0.150	0.150	09/16/2022	ND	6.23	104	6.00	2.74	
Total BTEX	<0.300	0.300	09/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>336</b>	16.0	09/16/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/16/2022	ND	173	86.3	200	3.95	
<b>DRO &gt;C10-C28*</b>	<b>21.4</b>	10.0	09/16/2022	ND	187	93.6	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	09/16/2022	ND					

Surrogate: 1-Chlorooctane 102 % 45.3-161

Surrogate: 1-Chlorooctadecane 121 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 78 A 2' (H224244-75)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2022	ND	1.92	95.8	2.00	2.58	
Toluene*	<0.050	0.050	09/16/2022	ND	2.10	105	2.00	2.40	
Ethylbenzene*	<0.050	0.050	09/16/2022	ND	2.03	102	2.00	2.34	
Total Xylenes*	<0.150	0.150	09/16/2022	ND	6.23	104	6.00	2.74	
Total BTEX	<0.300	0.300	09/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	09/16/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	178	88.9	200	24.7	
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	176	88.2	200	23.8	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 84.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.4 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 79 A 2' (H224244-76)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/15/2022	ND	2.06	103	2.00	2.20		
Toluene*	<0.050	0.050	09/15/2022	ND	2.05	103	2.00	2.01		
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.03	102	2.00	2.17		
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.30	105	6.00	2.34		
Total BTEX	<0.300	0.300	09/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>336</b>	16.0	09/16/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	178	88.9	200	24.7		
<b>DRO &gt;C10-C28*</b>	<b>10.7</b>	10.0	09/15/2022	ND	176	88.2	200	23.8		
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND						

Surrogate: 1-Chlorooctane 82.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.4 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 80 A 2' (H224244-77)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/15/2022	ND	2.06	103	2.00	2.20		
Toluene*	<0.050	0.050	09/15/2022	ND	2.05	103	2.00	2.01		
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.03	102	2.00	2.17		
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.30	105	6.00	2.34		
Total BTEX	<0.300	0.300	09/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	09/16/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/16/2022	ND	178	88.9	200	24.7		
DRO >C10-C28*	<10.0	10.0	09/16/2022	ND	176	88.2	200	23.8		
EXT DRO >C28-C36	<10.0	10.0	09/16/2022	ND						

Surrogate: 1-Chlorooctane 80.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.1 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 81 A 2' (H224244-78)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	2.06	103	2.00	2.20	
Toluene*	<0.050	0.050	09/15/2022	ND	2.05	103	2.00	2.01	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.03	102	2.00	2.17	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.30	105	6.00	2.34	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	09/16/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/16/2022	ND	178	88.9	200	24.7	
DRO >C10-C28*	<10.0	10.0	09/16/2022	ND	176	88.2	200	23.8	
EXT DRO >C28-C36	<10.0	10.0	09/16/2022	ND					

Surrogate: 1-Chlorooctane 83.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.7 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 82 A 2' (H224244-79)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/15/2022	ND	2.06	103	2.00	2.20		
Toluene*	<0.050	0.050	09/15/2022	ND	2.05	103	2.00	2.01		
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.03	102	2.00	2.17		
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.30	105	6.00	2.34		
Total BTEX	<0.300	0.300	09/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	09/16/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/16/2022	ND	178	88.9	200	24.7		
DRO >C10-C28*	<10.0	10.0	09/16/2022	ND	176	88.2	200	23.8		
EXT DRO >C28-C36	<10.0	10.0	09/16/2022	ND						

Surrogate: 1-Chlorooctane 81.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.5 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 83 A 3' (H224244-80)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	2.06	103	2.00	2.20	
Toluene*	<0.050	0.050	09/15/2022	ND	2.05	103	2.00	2.01	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.03	102	2.00	2.17	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.30	105	6.00	2.34	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/16/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/16/2022	ND	178	88.9	200	24.7	
DRO >C10-C28*	<10.0	10.0	09/16/2022	ND	176	88.2	200	23.8	
EXT DRO >C28-C36	<10.0	10.0	09/16/2022	ND					

Surrogate: 1-Chlorooctane 77.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 81.2 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 84 A 3' (H224244-81)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	2.06	103	2.00	2.20	
Toluene*	<0.050	0.050	09/15/2022	ND	2.05	103	2.00	2.01	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.03	102	2.00	2.17	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.30	105	6.00	2.34	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/16/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/16/2022	ND	178	88.9	200	24.7	
DRO >C10-C28*	<10.0	10.0	09/16/2022	ND	176	88.2	200	23.8	
EXT DRO >C28-C36	<10.0	10.0	09/16/2022	ND					

Surrogate: 1-Chlorooctane 82.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.6 % 46.3-178

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 85 A 3' (H224244-82)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	2.06	103	2.00	2.20	
Toluene*	<0.050	0.050	09/15/2022	ND	2.05	103	2.00	2.01	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.03	102	2.00	2.17	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.30	105	6.00	2.34	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/16/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/16/2022	ND	178	88.9	200	24.7	
DRO >C10-C28*	<10.0	10.0	09/16/2022	ND	176	88.2	200	23.8	
EXT DRO >C28-C36	<10.0	10.0	09/16/2022	ND					

Surrogate: 1-Chlorooctane 81.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.7 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 1 A 2' (H224244-83)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	2.06	103	2.00	2.20	
Toluene*	<0.050	0.050	09/15/2022	ND	2.05	103	2.00	2.01	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.03	102	2.00	2.17	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.30	105	6.00	2.34	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>272</b>	16.0	09/16/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/16/2022	ND	178	88.9	200	24.7	
<b>DRO &gt;C10-C28*</b>	<b>94.4</b>	10.0	09/16/2022	ND	176	88.2	200	23.8	
<b>EXT DRO &gt;C28-C36</b>	<b>17.5</b>	10.0	09/16/2022	ND					

Surrogate: 1-Chlorooctane 77.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.1 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 2 A 2' (H224244-84)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	2.06	103	2.00	2.20	
Toluene*	<0.050	0.050	09/15/2022	ND	2.05	103	2.00	2.01	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.03	102	2.00	2.17	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.30	105	6.00	2.34	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	09/16/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/16/2022	ND	178	88.9	200	24.7	
DRO >C10-C28*	<10.0	10.0	09/16/2022	ND	176	88.2	200	23.8	
EXT DRO >C28-C36	<10.0	10.0	09/16/2022	ND					

Surrogate: 1-Chlorooctane 73.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 78.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 3 A 2' (H224244-85)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	2.06	103	2.00	2.20	
Toluene*	<0.050	0.050	09/15/2022	ND	2.05	103	2.00	2.01	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.03	102	2.00	2.17	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.30	105	6.00	2.34	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	09/16/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/16/2022	ND	178	88.9	200	24.7	
DRO >C10-C28*	<10.0	10.0	09/16/2022	ND	176	88.2	200	23.8	
EXT DRO >C28-C36	<10.0	10.0	09/16/2022	ND					

Surrogate: 1-Chlorooctane 76.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 82.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 86 A 3' (H224244-86)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	2.06	103	2.00	2.20	
Toluene*	<0.050	0.050	09/15/2022	ND	2.05	103	2.00	2.01	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.03	102	2.00	2.17	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.30	105	6.00	2.34	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>400</b>	16.0	09/16/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/16/2022	ND	178	88.9	200	24.7	
<b>DRO &gt;C10-C28*</b>	<b>18.3</b>	10.0	09/16/2022	ND	176	88.2	200	23.8	
EXT DRO >C28-C36	<10.0	10.0	09/16/2022	ND					

Surrogate: 1-Chlorooctane 72.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 76.3 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 87 A 3' (H224244-87)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	2.06	103	2.00	2.20	
Toluene*	<0.050	0.050	09/15/2022	ND	2.05	103	2.00	2.01	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.03	102	2.00	2.17	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.30	105	6.00	2.34	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>256</b>	16.0	09/16/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/16/2022	ND	178	88.9	200	24.7	
<b>DRO &gt;C10-C28*</b>	<b>16.4</b>	10.0	09/16/2022	ND	176	88.2	200	23.8	
EXT DRO >C28-C36	<10.0	10.0	09/16/2022	ND					

Surrogate: 1-Chlorooctane 73.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 76.6 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 88 A 3' (H224244-88)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	2.06	103	2.00	2.20	
Toluene*	<0.050	0.050	09/15/2022	ND	2.05	103	2.00	2.01	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.03	102	2.00	2.17	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.30	105	6.00	2.34	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/16/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/16/2022	ND	178	88.9	200	24.7	
DRO >C10-C28*	<10.0	10.0	09/16/2022	ND	176	88.2	200	23.8	
EXT DRO >C28-C36	<10.0	10.0	09/16/2022	ND					

Surrogate: 1-Chlorooctane 97.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 89 A 4' (H224244-89)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	2.06	103	2.00	2.20	
Toluene*	<0.050	0.050	09/15/2022	ND	2.05	103	2.00	2.01	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.03	102	2.00	2.17	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.30	105	6.00	2.34	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	09/16/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/16/2022	ND	178	88.9	200	24.7	
DRO >C10-C28*	<10.0	10.0	09/16/2022	ND	176	88.2	200	23.8	
EXT DRO >C28-C36	<10.0	10.0	09/16/2022	ND					

Surrogate: 1-Chlorooctane 97.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 90 A 4' (H224244-90)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	2.06	103	2.00	2.20	
Toluene*	<0.050	0.050	09/15/2022	ND	2.05	103	2.00	2.01	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.03	102	2.00	2.17	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.30	105	6.00	2.34	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/16/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/16/2022	ND	178	88.9	200	24.7	
DRO >C10-C28*	<10.0	10.0	09/16/2022	ND	176	88.2	200	23.8	
EXT DRO >C28-C36	<10.0	10.0	09/16/2022	ND					

Surrogate: 1-Chlorooctane 97.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QR-04 The RPD for the BS/BSD was outside of historical limits.
QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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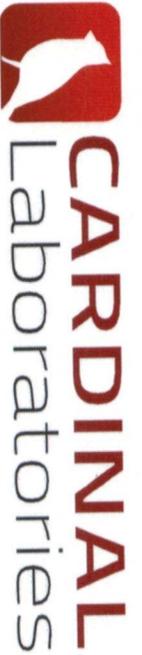
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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager





CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
 (575) 393-2326 FAX (575) 393-2476

Company Name: Talon LPE		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: R. PONS		Company:					
Address: 408 W. Texas Ave		Attn:					
City: Artesia		Address:					
Phone #: 575.746.8768		City:					
Fax #: 575.746.8768		State:					
Project #: 702520.033.01		Zip:					
Project Name: Ace Stern Vegas		Phone #:					
Project Location: Eddy County, NM		Fax #:					
Sampler Name: J. Carnes							

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
H224244	S-144A 2'	C	1			X				9:45:30	11:40	chlorides
	S-15A 2'	C	1			X				11:45	11:50	TPH
	S-16A 2'	C	1			X				11:55	12:04	BTEX
	S-17A 1'	C	1			X				12:04	12:05	
	S-18A 1'	C	1			X				12:05	12:10	
	S-19A 1'	C	1			X				12:10	12:15	
	S-20A 2'	C	1			X				12:15	12:20	
	S-21A 2'	C	1			X				12:20	12:25	
	S-22A 2'	C	1			X				12:25	12:30	
	S-23A 2'	C	1			X				12:30	12:35	

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Relinquished By: *[Signature]* Date: 5/14/23 Time: 7:30  
 Received By: *[Signature]* Date: 5/14/23 Time: 7:30

Delivered By: (Circle One) - UPS - Bus - Other: *UPS* Sample Condition: Cool  Intact   
 Checked By: *[Signature]* (Initials)

REMARKS: 2-Day Rush

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326





**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

101 East Marland, Hobbs, NM 88240  
 (575) 393-2326 FAX (575) 393-2476

Company Name: Talon LPE		<b>BILL TO</b>		ANALYSIS REQUEST	
Project Manager: R. Pons		P.O. #:			
Address: 408 W. Texas Ave		Company:			
City: Artesia		Attn:			
State: NM zip: 88210		Address:			
Phone #: 575.746.8768		City:			
Fax #: 575.746.8768		State:			
Project #: 702520.033.01		Zip:			
Project Owner: Matador		Phone #:			
Project Name: Ace Stern Vegas		Fax #:			
Project Location: Eddy County, NM					
Sampler Name: J. Carnes, A. Parra					

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS							
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :										
H224244	S-34A 2'	C	1			X				9-12-22	3:00	X	Chlorides						
	S-35A 2'										3:05	X	TPH						
	S-36A 2'										3:10	X	BTEX						
	S-37A 2'										3:15								
	S-38A 2'										3:20								
	S-39A 2'										3:25								
	S-40A 2'									9-13-22	9:00								
	S-41A 2'										9:05								
	S-42A 2'										9:10								
	S-43A 2'										9:15								

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Reinquished By: *[Signature]* Date: 9-11-22 Time: 7:36

Received By: *[Signature]* Date: 9-11-22 Time: 7:36

Delivered By: (Circle One) -0.3% C-0.10%  
 Sampler - UPS - Bus - Other: -0.09% #113

Sample Condition: Cool  Intact   
 Yes  No

CHECKED BY: *[Signature]*

REMARKS: 2 Day Rush

Phone Result:  Yes  No Add'l Phone #:  
 Fax Result:  Yes  No Add'l Fax #:

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
 (575) 393-2326 FAX (575) 393-2476

Company Name: Talon LPE		<b>BILL TO</b>	
Project Manager: R. Pons		P.O. #:	
Address: 408 W. Texas Ave		Company:	
City: Artesia		Attn:	
State: NM zip: 88210		Address:	
Phone #: 575.746.8768		City:	
Fax #: 575.746.8768		State:	
Project #: 702520.033.01		Project Owner: Matador	
Project Name: Ace Stern Vegas		Phone #:	
Project Location: Eddy County, NM		Fax #:	
Sampler Name: J. Carnes, A. Parra		DATE	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
H224244	S-54A 2'	C	1			X				9-13-22	10:35	Chlorides
	S-55A 2'	C	1			X				10:40	10:40	TPH
	S-56A 2'	C	1			X				10:45	10:50	BTX
	S-57A 2'	C	1			X				10:55	11:00	
	S-58A 2'	C	1			X				11:00	11:20	
	S-59A 2'	C	1			X				11:25	11:30	
	S-60A 2'	C	1			X				11:30	11:35	
	S-61A 2'	C	1			X						
	S-62A 2'	C	1			X						
	S-63A 2'	C	1			X						

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

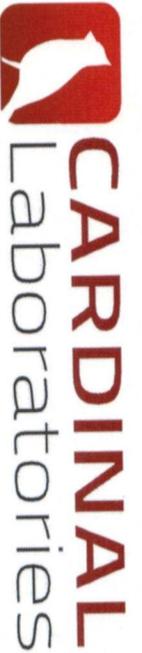
Relinquished By: <i>[Signature]</i>	Date: 9/14/22	Received By: <i>[Signature]</i>	Date: 9/14/22
Time: 7:430	Time: 7:430	Time: 7:430	Time: 7:430

Delivered By: (Circle One) -0.3% C-0.0% U	Sample Condition	CHECKED BY: <i>[Signature]</i>
Sampler - UPS - Bus - Other: -0.9% #13	<input checked="" type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	(Initials)

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

pg 6 of 12

2 Day Rush



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
 (575) 393-2326 FAX (575) 393-2476

Company Name: Talon LPE  
 Project Manager: R. PONS  
 Address: 408 W. Texas Ave  
 City: Artesia State: NM zip: 88210  
 Phone #: 575.746.8768 Fax #: \_\_\_\_\_  
 Project #: 702520.033.01 Project Owner: Matador  
 Project Name: Ace Stern Vegas  
 Project Location: Eddy County, NM  
 Sampler Name: J. Carnes, A. Parra  
 P.O. #: \_\_\_\_\_ Company: \_\_\_\_\_  
 Attn: \_\_\_\_\_ Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
H224750	TO 9/14/22	< 1	1			X				04/22	10:40	X Chlorides
61	S-64A 2'	< 1	1			X				11:45	11:45	< 1 TPH
62	S-65A 2'	< 1	1			X				11:50	11:50	< 1 BTEX
63	S-66A 2'	< 1	1			X				11:55	11:55	
64	S-67A 2'	< 1	1			X				12:00	12:00	
65	S-68A 2'	< 1	1			X				12:45	12:45	
66	S-69A 2'	< 1	1			X				12:50	12:50	
67	S-70A 2'	< 1	1			X				1:00	1:00	
68	S-71A 2'	< 1	1			X				1:08	1:08	
69	S-72A 2'	< 1	1			X						
70	S-73A 2'	< 1	1			X						

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Relinquished By: \_\_\_\_\_ Date: 4/22/22 Received By: \_\_\_\_\_ Date: 4/22/22  
 Relinquished By: \_\_\_\_\_ Date: 4/30/22 Received By: \_\_\_\_\_ Date: 4/30/22  
 Time: \_\_\_\_\_ Time: \_\_\_\_\_

Delivered By: (Circle One) 0.32 C-O 0.02 U-O  
 Sampler - UPS - Bus - Other: 0.92 #13  
 Sample Condition:  Intact  Copl  
 Checked By: \_\_\_\_\_ (Initials)  
 Remarks: 2 Day Rush

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
 (575) 393-2326 FAX (575) 393-2476

Company Name: Talon LPE		P.O. #:	
Project Manager: R. Pons		Company:	
Address: 408 W. Texas Ave		Attn:	
City: Artesia		Address:	
Phone #: 575.746.8768		City:	
Fax #: _____		State:	
Project #: 702520.033.01		Zip:	
Project Name: Ace Stern Vegas		Phone #:	
Project Location: Eddy County, NM		Fax #:	
Sampler Name: J. Carnes, A. Parra		SAMPLING	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
H224244	S-74A 2'	C	1			X				9-13-20	5:10	Chlorides
	S-75A 2'										1:45	TDH
	S-76A 2'										1:25	BTEX
	S-77A 2'										1:30	
	S-78A 2'										2:00	
	S-79A 2'										2:05	
	S-80A 2'										2:10	
	S-81A 2'										2:15	
	S-82A 2'										2:20	
	S-83A 3'										2:20	

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Relinquished By: *[Signature]* Date: 9/14/20  
 Received By: *[Signature]* Date: 9/14/20  
 Relinquished By: *[Signature]* Date: 9/14/20  
 Received By: *[Signature]* Date: 9/14/20

Delivered By: (Circle One) -0.3% C -0.1% O  
 Sampler - UPS - Bus - Other: -0.9% #113  
 Sample Condition:  Cool  Impact  
 Checked By: *[Signature]* (Initials)  
 Remarks: 2 Day Rush

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

101 East Marland, Hobbs, NM 88240  
 (575) 393-2326 FAX (575) 393-2476

Company Name: Talon LPE		P.O. #:		ANALYSIS REQUEST			
Project Manager: R. Pons		Company:					
Address: 408 W. Texas Ave		Attn:					
City: Artesia		Address:					
Phone #: 575.746.8768		City:					
Fax #: 575.746.8768		State:					
Project #: 702520.033.01		Zip:					
Project Name: Ace Stern Vegas		Project Owner: Matador					
Project Location: Eddy County, NM		Phone #:					
Sampler Name: J. Carnes, A. Parra		Fax #:					
FOR LAB USE ONLY		PRESERV		SAMPLING			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	DATE	TIME	ANALYSIS
H224244	S-84A 3'	C 1	1	GROUNDWATER	9-13-22	2:25	Chlorides
	S-85A 3'			WASTEWATER			TPH
	S-1A 2'			SOIL			BTEX
	S-2A 2'			OIL			
	S-3A 2'			SLUDGE			
	S-86A 3'			OTHER :			
	S-87A 3'			ACID/BASE:			
	S-88A 3'			ICE / COOL			
	S-89A 4'			OTHER :			
	S-90A 4'						

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Relinquished By: *[Signature]* Date: 9-14-22  
 Received By: *[Signature]* Date: 9-14-22  
 Time: 9:430

Delivered By: (Circle One) *0.32* Cool  Intact   
 Sampler - UPS - Bus - Other: *0.92 #113* Yes  No

REMARKS: 2 Day Rush  
 Add'l Phone #:   
 Add'l Fax #:   
 Phone Result:  Yes  No  No  No

+ Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

September 16, 2022

REBECCA PONS  
TALON LPE  
408 W. TEXAS AVE.  
ARTESIA, NM 88210

RE: ACE STERN VEGAS

Enclosed are the results of analyses for samples received by the laboratory on 09/14/22 14:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene  
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: BG - 1 0' (H224243-01)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/15/2022	ND	1.74	87.1	2.00	13.0		
Toluene*	<0.050	0.050	09/15/2022	ND	1.74	87.2	2.00	12.4		
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	1.67	83.5	2.00	13.5		
Total Xylenes*	<0.150	0.150	09/15/2022	ND	5.23	87.2	6.00	13.3		
Total BTEX	<0.300	0.300	09/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	09/15/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	178	89.1	200	0.220		
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	184	92.1	200	2.65		
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND						

Surrogate: 1-Chlorooctane 68.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 76.1 % 46.3-178

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: BG - 2 0' (H224243-02)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	1.74	87.1	2.00	13.0	
Toluene*	<0.050	0.050	09/15/2022	ND	1.74	87.2	2.00	12.4	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	1.67	83.5	2.00	13.5	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	5.23	87.2	6.00	13.3	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/15/2022	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	178	89.1	200	0.220	
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	184	92.1	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 69.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.2 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: BG - 3 0' (H224243-03)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/15/2022	ND	1.74	87.1	2.00	13.0		
Toluene*	<0.050	0.050	09/15/2022	ND	1.74	87.2	2.00	12.4		
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	1.67	83.5	2.00	13.5		
Total Xylenes*	<0.150	0.150	09/15/2022	ND	5.23	87.2	6.00	13.3		
Total BTEX	<0.300	0.300	09/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	09/15/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	178	89.1	200	0.220		
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	184	92.1	200	2.65		
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND						

Surrogate: 1-Chlorooctane 85.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.9 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: BG - 4 0' (H224243-04)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	1.74	87.1	2.00	13.0	
Toluene*	<0.050	0.050	09/15/2022	ND	1.74	87.2	2.00	12.4	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	1.67	83.5	2.00	13.5	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	5.23	87.2	6.00	13.3	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/15/2022	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	178	89.1	200	0.220	
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	184	92.1	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 72.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 82.4 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/14/2022	Sampling Date:	09/13/2022
Reported:	09/16/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: BG - 5 0' (H224243-05)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2022	ND	1.74	87.1	2.00	13.0	
Toluene*	<0.050	0.050	09/15/2022	ND	1.74	87.2	2.00	12.4	
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	1.67	83.5	2.00	13.5	
Total Xylenes*	<0.150	0.150	09/15/2022	ND	5.23	87.2	6.00	13.3	
Total BTEX	<0.300	0.300	09/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	09/15/2022	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	178	89.1	200	0.220	
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	184	92.1	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 65.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 77.6 % 46.3-178

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Notes and Definitions

- QR-04 The RPD for the BS/BSD was outside of historical limits.
BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

101 East Marland, Hobbs, NM 88240  
 (575) 393-2326 FAX (575) 393-2476

**BILL TO**

**ANALYSIS REQUEST**

Company Name: Talon LPE  
 Project Manager: R. Pons  
 Address: 408 W. Texas Ave  
 City: Artesia State: NM zip: 88210  
 Phone #: 575.746.8768 Fax #: \_\_\_\_\_  
 Project #: 702520.033.01 Project Owner: Matador  
 Project Name: Ace Stern Vegas  
 Project Location: Eddy County, NM  
 Sampler Name: J. Carnes, A. Parra  
 P.O. #: \_\_\_\_\_ Company: \_\_\_\_\_  
 Attn: \_\_\_\_\_ Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	Chlorides	TPH	BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H224243	BG-1 0'	C	1			X				9-22-22	2:30	X	X	X
	BG-2 0'										2:35			
	BG-3 0'										2:40			
	BG-4 0'										2:45			
	BG-5 0'										2:51			

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Relinquished By: \_\_\_\_\_ Date: 9/14/22  
 Relinquished By: \_\_\_\_\_ Date: 9/13/22  
 Received By: S. Rodriguez  
 Sample Condition: Cool-Intact  Yes  No  
 Checked By: \_\_\_\_\_ (Initials)  
 Remarks: 2 Day Rush Separate Report

Delivered By: (Circle One) UPS  Bus  Other   
 Sampler - UPS - Bus - Other: -09: #113  
 Phone Result:  Yes  No Add'l Phone #: \_\_\_\_\_  
 Fax Result:  Yes  No Add'l Fax #: \_\_\_\_\_

\* Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



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September 21, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: ACE STERN VEGAS

Enclosed are the results of analyses for samples received by the laboratory on 09/19/22 13:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/19/2022	Sampling Date:	09/16/2022
Reported:	09/21/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01 (FED 2221 #124)	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 1 A 2.5' (H224317-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/20/2022	ND	2.07	103	2.00	1.02	
Toluene*	<0.050	0.050	09/20/2022	ND	2.00	100	2.00	0.740	
Ethylbenzene*	<0.050	0.050	09/20/2022	ND	1.92	95.8	2.00	0.370	
Total Xylenes*	<0.150	0.150	09/20/2022	ND	5.87	97.9	6.00	0.170	
Total BTEX	<0.300	0.300	09/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	09/20/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2022	ND	190	95.1	200	4.73	
DRO >C10-C28*	<10.0	10.0	09/20/2022	ND	200	99.9	200	2.39	
EXT DRO >C28-C36	<10.0	10.0	09/20/2022	ND					

Surrogate: 1-Chlorooctane 82.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.9 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/19/2022	Sampling Date:	09/16/2022
Reported:	09/21/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01 (FED 2221 #124)	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 40 A 2.5' (H224317-02)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2022	ND	2.07	103	2.00	1.02		
Toluene*	<0.050	0.050	09/20/2022	ND	2.00	100	2.00	0.740		
Ethylbenzene*	<0.050	0.050	09/20/2022	ND	1.92	95.8	2.00	0.370		
Total Xylenes*	<0.150	0.150	09/20/2022	ND	5.87	97.9	6.00	0.170		
Total BTEX	<0.300	0.300	09/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	09/20/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/20/2022	ND	190	95.1	200	4.73		
DRO >C10-C28*	<10.0	10.0	09/20/2022	ND	200	99.9	200	2.39		
EXT DRO >C28-C36	<10.0	10.0	09/20/2022	ND						

Surrogate: 1-Chlorooctane 85.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.6 % 46.3-178

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/19/2022	Sampling Date:	09/16/2022
Reported:	09/21/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01 (FED 2221 #124)	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 41 A 2.5' (H224317-03)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2022	ND	2.07	103	2.00	1.02		
Toluene*	<0.050	0.050	09/20/2022	ND	2.00	100	2.00	0.740		
Ethylbenzene*	<0.050	0.050	09/20/2022	ND	1.92	95.8	2.00	0.370		
Total Xylenes*	<0.150	0.150	09/20/2022	ND	5.87	97.9	6.00	0.170		
Total BTEX	<0.300	0.300	09/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<b>288</b>	16.0	09/20/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/20/2022	ND	190	95.1	200	4.73		
<b>DRO &gt;C10-C28*</b>	<b>12.1</b>	10.0	09/20/2022	ND	200	99.9	200	2.39		
EXT DRO >C28-C36	<10.0	10.0	09/20/2022	ND						

Surrogate: 1-Chlorooctane 84.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.4 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/19/2022	Sampling Date:	09/16/2022
Reported:	09/21/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01 (FED 2221 #124)	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 49 A 2.5' (H224317-04)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2022	ND	2.07	103	2.00	1.02		
Toluene*	<0.050	0.050	09/20/2022	ND	2.00	100	2.00	0.740		
Ethylbenzene*	<0.050	0.050	09/20/2022	ND	1.92	95.8	2.00	0.370		
Total Xylenes*	<0.150	0.150	09/20/2022	ND	5.87	97.9	6.00	0.170		
Total BTEX	<0.300	0.300	09/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	09/20/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/20/2022	ND	190	95.1	200	4.73		
DRO >C10-C28*	<10.0	10.0	09/20/2022	ND	200	99.9	200	2.39		
EXT DRO >C28-C36	<10.0	10.0	09/20/2022	ND						

Surrogate: 1-Chlorooctane 81.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.9 % 46.3-178

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/19/2022	Sampling Date:	09/16/2022
Reported:	09/21/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01 (FED 2221 #124)	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 51 A 2.5' (H224317-05)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2022	ND	2.07	103	2.00	1.02		
Toluene*	<0.050	0.050	09/20/2022	ND	2.00	100	2.00	0.740		
Ethylbenzene*	<0.050	0.050	09/20/2022	ND	1.92	95.8	2.00	0.370		
Total Xylenes*	<0.150	0.150	09/20/2022	ND	5.87	97.9	6.00	0.170		
Total BTEX	<0.300	0.300	09/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	09/20/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/20/2022	ND	190	95.1	200	4.73		
DRO >C10-C28*	<10.0	10.0	09/20/2022	ND	200	99.9	200	2.39		
EXT DRO >C28-C36	<10.0	10.0	09/20/2022	ND						

Surrogate: 1-Chlorooctane 86.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.2 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/19/2022	Sampling Date:	09/16/2022
Reported:	09/21/2022	Sampling Type:	Soil
Project Name:	ACE STERN VEGAS	Sampling Condition:	Cool & Intact
Project Number:	702520.033.01 (FED 2221 #124)	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: E.SW - 2A (H224317-06)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2022	ND	2.07	103	2.00	1.02		
Toluene*	<0.050	0.050	09/20/2022	ND	2.00	100	2.00	0.740		
Ethylbenzene*	<0.050	0.050	09/20/2022	ND	1.92	95.8	2.00	0.370		
Total Xylenes*	<0.150	0.150	09/20/2022	ND	5.87	97.9	6.00	0.170		
Total BTEX	<0.300	0.300	09/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	09/20/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/20/2022	ND	190	95.1	200	4.73		
DRO >C10-C28*	<10.0	10.0	09/20/2022	ND	200	99.9	200	2.39		
EXT DRO >C28-C36	<10.0	10.0	09/20/2022	ND						

Surrogate: 1-Chlorooctane 83.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.3 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
 (575) 393-2326 FAX (575) 393-2476

Company Name: Talon LPE		<b>BILL TO</b>		ANALYSIS REQUEST	
Project Manager: R. PONS		P.O. #:			
Address: 408 W. Texas Ave		Company:			
City: Artesia		Attn:			
State: NM zip: 88210		Address:			
Phone #: 575.746.8768		City:			
Fax #: _____		State:			
Project #: 702520.033.01		Zip:			
Project Owner: Matador		Phone #:			
Project Name: Ace Stern Vegas Fed 2221 #124		Fax #:			
Project Location: Eddy County, NM		PRESERV/			
Sampler Name: J. Carnes		SAMPLING			

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	Chlorides	TPH	BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H034317	S-1A 2.5'	C	1			X				9-16-22	1:30	X	X	X
	S-40A 2.5'										1:35	X	X	X
	S-41A 2.5'										1:40	X	X	X
	S-49A 2.5'										1:45	X	X	X
	S-51A 2.5'										1:50	X	X	X
	E.SW-2A										1:55	X	X	X

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <i>[Signature]</i>	Date: 9/19/22	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Retrieved By: <i>[Signature]</i>	Time: 1:335	Received By: <i>[Signature]</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) <i>201C.O.W.</i>	Time: _____	CHECKED BY: <i>[Signature]</i>	Sample Condition: <input type="checkbox"/> Cool <input type="checkbox"/> Intact	
Sampler - UPS - Bus - Other: <i>1.40 #113</i>	Time: _____	(Initials)	Yes <input type="checkbox"/> No <input type="checkbox"/>	

REMARKS: 2-Day Rush

+ Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



## Appendix V

NMOCD

C-141

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
**District II**  
811 S. First St., Artesia, NM 88210  
**District III**  
1000 Rio Brazos Road, Aztec, NM 87410  
**District IV**  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural  
Resources Department  
  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

Incident ID	nAPP2221684787
District RP	
Facility ID	30-015-49109
Application ID	

## Release Notification

### Responsible Party

Responsible Party: Matador Production Company	OGRID: 228937
Contact Name: Arsenio T. Jones	Contact Telephone: 575-361-4333
Contact email: arsenio.jones@matadorresources.com	Incident # (assigned by OCD): nAPP2221684787
Contact mailing address: One Lincoln Centre Dallas, TX 75240	

### Location of Release Source

Latitude 32.3741936 Longitude -104.1000572 (location of source)  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Ace Stern Vegas Fee 22 21 #124H	Site Type: Production Battery
Date Release Discovered: 08/04/2022	API# (if applicable)30-015-49109

Unit Letter	Section	Township	Range	County
M	21	22S	28E	Eddy

Surface Owner:  State  Federal  Tribal  Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls)175	Volume Recovered (bbls)165
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

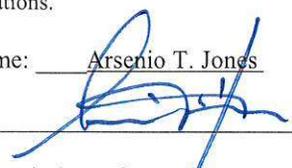
Cause of Release: Blow-out from valve failure at the wellhead.

Incident ID	nAPP2206640708
District RP	
Facility ID	30-015-49109
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? The Release was > 50bbl This was an unauthorized release of 25 bbls or more.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Notification was provided to the NMOCD on 8/4/2022 by Arsenio Jones of Matador (online).	

### Initial Response

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury*

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:  _____ _____ _____
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: <u>Arsenio T. Jones</u> Title: <u>Regulatory, Environmental and Safety Specialist</u> Signature:  Date: <u>08/05/2022</u> email: <u>arsenio.jones@matadorresources.com</u> Telephone: <u>575-361-4333</u>
<b>OCD Only</b> Received by: <u>Jocelyn Harimon</u> Date: <u>08/05/2022</u>

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
 811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 131881

**CONDITIONS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 131881
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
jharimon	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141	8/5/2022

Incident ID	nAPP2221684787
District RP	
Facility ID	30-015-49109
Application ID	

## Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>12</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

### **Characterization Report Checklist:** *Each of the following items must be included in the report.*

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Incident ID	nAPP2221684787
District RP	
Facility ID	30-015-49109
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name:     Arsenio T. Jones     Title:     Regulatory, Environmental and Safety Specialist    

Signature: \_\_\_\_\_ Date:     10/05/2022    

email:     arsenio.jones@matadorresources.com     Telephone:     575-361-4333    

**OCD Only**

Received by:     Jocelyn Harimon     Date:     05/09/2023

Incident ID	nAPP2221684787
District RP	
Facility ID	30-015-49109
Application ID	

## Remediation Plan

**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

- Detailed description of proposed remediation technique
- Scaled sitemap with GPS coordinates showing delineation points
- Estimated volume of material to be remediated
- Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

**Deferral Requests Only:** *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Arsenio T. Jones Title: Regulatory, Environmental and Safety Specialist

Signature: \_\_\_\_\_ Date: 10/05/2022

email: arsenio.jones@matadorresources.com Telephone: 575-361-4333

**OCD Only**

Received by: Jocelyn Harimon Date: 05/09/2023

- Approved       Approved with Attached Conditions of Approval       Denied       Deferral Approved

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	nAPP2221684787
District RP	
Facility ID	30-015-49109
Application ID	

## Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name:     Arsenio T. Jones     Title:     Regulatory, Environmental and Safety Specialist    

Signature: \_\_\_\_\_ Date:     10/05/2022    

email:     arsenio.jones@matadorresources.com     Telephone:     575-361-4333    

**OCD Only**

Received by:     Jocelyn Harimon     Date:     05/09/2023    

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

**From:** [Rebecca Pons](#)  
**To:** [Enviro, OCD, EMNRD](#)  
**Cc:** [Arsenio Jones](#); [clinton.talley@matadorresources.com](mailto:clinton.talley@matadorresources.com)  
**Subject:** Ace Stern Vegas Fee Incident No. nAPP2221684787  
**Date:** Tuesday, September 6, 2022 10:52:00 AM  
**Attachments:** [image001.png](#)

---

Good Morning,

This email will serve as notice of confirmation sampling for the Ace Stern Vegas Fee Incident No. nAPP2221684787 Unit Letter M-Section 21-T22S-R28E. Talon personnel will be on site Friday September 09, 2022 at 8:30 AM for the sampling event. Please feel free to call me with any questions or concerns.

Respectfully,

**Rebecca Pons**  
**Environmental Project Manager**  
Office: 575.746.8768 x708  
Direct: 575.616.4023  
Cell: 575.441.0980  
Fax: 575.746.8905  
Emergency: 866.742.0742  
Web: [www.talonlpe.com](http://www.talonlpe.com)



At Talon/LPE, we are quality in all things, including communication. Have a question? Need a quote? Send an email to [clientrelations@talonlpe.com](mailto:clientrelations@talonlpe.com).

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**  
 811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 215214

**CONDITIONS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 215214
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2221684787 ACE STERN VEGAS FEE #124H, thank you. This closure is approved.	9/27/2023